



上海源叶生物科技有限公司
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产品名称: **CS-2800; Selitrectinib; LOXO-195**

CAS 号: **2097002-61-2**

产品货号: **S88569**

生物活性:

生物活性:

Description	Selitrectinib (LOXO-195) 是一种二代原肌凝蛋白相关激酶 (TRK) 抑制剂, 其对 TRKA 和 TRKC 的 IC50 值分别为 0.6 nM 和 <2.5 nM。			
IC50 & Target[1]	TrkA 0.6 nM (IC50)		TrkC <2.5 nM (IC50)	
Cellular Effect	Cell Line	Type	Value	Description
	BaF3	IC50	0.001 μM	Antiproliferative activity against mouse BaF3 cells expressing CD74 fused TRKA assessed as cell growth inhibition incubated for 3 days by CCK8 assay
	BaF3	IC50	0.001 μM	Antiproliferative activity against mouse BaF3 cells expressing ETV6 fused TRKC assessed as cell growth inhibition incubated for 3 days by CCK8 assay
	BaF3	IC50	0.0082 μM	Antiproliferative activity against mouse BaF3 cells harboring TRKA F589L mutant assessed as inhibition of cell growth incubated for 72 hrs by CCK8 assay
	BaF3	IC50	0.013 μM	Antiproliferative activity against mouse BaF3 cells expressing CD74 fused TRKA G595R mutant assessed as cell growth inhibition incubated for 3 days by CCK8 assay
	BaF3	IC50	0.013 μM	Antiproliferative activity against mouse BaF3 cells harboring TRKA G667C mutant assessed as inhibition of cell growth incubated for 72 hrs by CCK8 assay
	BaF3	IC50	0.018 μM	Cytotoxicity against mouse BaF3 cells harboring TEL fused TrkC G613R mutant assessed as inhibition of cell growth by MTT assay
	BaF3	IC50	0.018 μM	Antiproliferative activity against mouse BaF3 cells harboring TRKA G595R mutant assessed as inhibition of cell growth incubated for 72 hrs by CCK8 assay
	BaF3	IC50	0.041 μM	Antiproliferative activity against mouse BaF3 cells expressing CD74 fused TRKA G667C mutant assessed as cell growth inhibition incubated for 3 days by CCK8 assay
	BaF3	IC50	1 nM	Cytotoxicity against mouse BaF3 cells expressing CD74 fused TrkA assessed as inhibition of cell growth incubated for 3 days by CCK-8 assay
	BaF3	IC50	1.1 nM	Antiproliferative activity against mouse BaF3 cells transfected with ETV6-wild type TRKA assessed as cell viability incubated for 72 hrs by CCK8 assay
	BaF3	IC50	1.2 nM	Antiproliferative activity against mouse BaF3 cells harbouring ETV6-TRKC assessed as inhibition of cell growth incubated for 72 hrs by CCK8 assay
	BaF3	IC50	1.35 nM	Antiproliferative activity against mouse BaF3 cells



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			harbouring CD74-NTRK1 fusion protein incubated for 3 days by CCK8 method
BaF3	IC ₅₀	1.36 nM	Antiproliferative activity against mouse BaF3 cells harbouring ETV6-NTRK3 fusion protein incubated for 3 days by CCK8 method
BaF3	IC ₅₀	1.4 nM	Antiproliferative activity against mouse BaF3 cells transfected with ETV6-wild type TRKB assessed as cell viability incubated for 72 hrs by CCK8 assay
BaF3	IC ₅₀	1.6 nM	Antiproliferative activity against mouse BaF3 cells transfected with ETV6-wild type TRKC assessed as cell viability incubated for 72 hrs by CCK8 assay
BaF3	IC ₅₀	1.7 nM	Antiproliferative activity against mouse BaF3 cells harbouring CD74-TRKA assessed as inhibition of cell growth incubated for 72 hrs by CCK8 assay
BaF3	IC ₅₀	10.28 nM	Antiproliferative activity against mouse BaF3 cells harbouring CD74-NTRK1 G595R mutant fusion protein incubated for 3 days by CCK8 method
BaF3	IC ₅₀	10.5 nM	Antiproliferative activity against mouse BaF3 cells expressing CD74 fused TRKA G667S mutant incubated for 3 days by CCK8 assay
BaF3	IC ₅₀	10.7 nM	Antiproliferative activity against mouse BaF3 cells expressing ETV6 fused TRKC V573M mutant incubated for 3 days by CCK8 assay
BaF3	IC ₅₀	10.98 nM	Antiproliferative activity against mouse BaF3 cells harbouring ETV6-TRKC G6968 mutant incubated for 3 days by CCK8 method
BaF3	IC ₅₀	109 nM	Cytotoxicity against mouse BaF3 cells expressing LMNA fused TrkA G667C mutant assessed as inhibition of cell growth incubated for 3 days by CCK-8 assay
BaF3	IC ₅₀	113.1 nM	Antiproliferative activity against mouse BaF3 cells expressing TRKA G667C mutant incubated for 72 hrs by CCK8 assay
BaF3	IC ₅₀	12 nM	Antiproliferative activity against mouse BaF3 cells expressing TRKA G595R mutant incubated for 72 hrs by CCK8 assay
BaF3	IC ₅₀	12.6 nM	Antiproliferative activity against mouse BAF3 cells transfected with LMNA-TRKA F589L mutant assessed as cell viability incubated for 72 hrs by CCK8 assay
BaF3	IC ₅₀	13 nM	Antiproliferative activity against mouse BAF3 cells transfected with LMNA-TRKA G595R mutant assessed as cell viability incubated for 72 hrs by CCK8 assay
BaF3	IC ₅₀	15 nM	Cytotoxicity against mouse BaF3 cells expressing LMNA fused TrkA G595R mutant assessed as inhibition of cell



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				growth incubated for 3 days by CCK-8 assay
BaF3	IC ₅₀	15.2 nM		Antiproliferative activity against mouse BaF3 cells harboring TRKA G595R mutant assessed as cell growth inhibition incubated for 72 hrs by CCK-8 assay
BaF3	IC ₅₀	16.7 nM		Antiproliferative activity against mouse BaF3 cells harbouring CD74-TRKA V573M mutant incubated for 3 days by CCK8 method
BaF3	IC ₅₀	16.7 nM		Antiproliferative activity against mouse BaF3 cells expressing TRKA F589L mutant assessed as inhibition of cell growth measured after 72 hrs by CCK-8 assay
BaF3	IC ₅₀	17 nM		Cytotoxicity against mouse BaF3 cells expressing LMNA fused TrkA F589L mutant assessed as inhibition of cell growth incubated for 3 days by CCK-8 assay
BaF3	IC ₅₀	17.2 nM		Antiproliferative activity against mouse BaF3 cells harbouring ETV6-TRKC F617L mutant incubated for 3 days by CCK8 method
BaF3	IC ₅₀	18 nM		Cytotoxicity against mouse BaF3 cells expressing TEL fused TrkC G623R assessed as inhibition of cell growth incubated for 3 days by CCK-8 assay
BaF3	IC ₅₀	2.32 nM		Antiproliferative activity against mouse BaF3 cells harbouring wild type ETV6-TRKB incubated for 3 days by CCK8 method
BaF3	IC ₅₀	2.4 nM		Antiproliferative activity against mouse BaF3 cells expressing ETV6 fused TRKC G696A mutant incubated for 3 days by CCK8 assay
BaF3	IC ₅₀	2.7 nM		Cytotoxicity against mouse BaF3 cells transfected with TrKA G623R mutant assessed as reduction in cell viability by MTT assay
BaF3	IC ₅₀	22.23 nM		Antiproliferative activity against mouse BaF3 cells harbouring CD74-NTRK1 G667C mutant fusion protein incubated for 3 days by CCK8 method
BaF3	IC ₅₀	23.2 nM		Antiproliferative activity against mouse BaF3 cells expressing TRKA G595R mutant assessed as inhibition of cell growth measured after 72 hrs by CCK-8 assay
BaF3	IC ₅₀	24.4 nM		Cytotoxicity against mouse BaF3 cells transfected with TrKA G667A mutant assessed as reduction in cell viability by MTT assay
BaF3	IC ₅₀	25.4 nM		Cytotoxicity against mouse BaF3 cells transfected with TrKA F589L mutant assessed as reduction in cell viability by MTT assay
BaF3	IC ₅₀	26.11 nM		Antiproliferative activity against mouse BaF3 cells harbouring CD74-NTRKIF 589L mutant fusion protein incubated for 3 days by CCK8 method



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	BaF3	IC ₅₀	26.38 nM	Antiproliferative activity against mouse BaF3 cells harbouring ETV6-TRKB V617M mutant incubated for 3 days by CCK8 method
	BaF3	IC ₅₀	27.8 nM	Antiproliferative activity against mouse BaF3 cells harboring TRKA F589L mutant assessed as cell growth inhibition
	BaF3	IC ₅₀	28.2 nM	Antiproliferative activity against mouse BaF3 cells expressing ETV6 fused TRKC G696C mutant incubated for 3 days by CCK8 assay
	BaF3	IC ₅₀	3.2 nM	Antiproliferative activity against mouse BaF3 cells expressing CD74 fused TRKA G667A mutant incubated for 3 days by CCK8 assay
	BaF3	IC ₅₀	3.39 nM	Antiproliferative activity against mouse BaF3 cells harbouring CD74-TRKA G667A mutant incubated for 3 days by CCK8 method
	BaF3	IC ₅₀	30 nM	Cytotoxicity against mouse BaF3 cells expressing LMNA fused TrkA G667S mutant assessed as inhibition of cell growth incubated for 3 days by CCK-8 assay
	BaF3	IC ₅₀	30.66 nM	Antiproliferative activity against mouse BaF3 cells harbouring ETV6-TRKC V601M mutant incubated for 3 days by CCK8 method
	BaF3	IC ₅₀	31.5 nM	Antiproliferative activity against mouse BaF3 cells harbouring TRKA-F589L fusion protein incubated for 3 days by CCK8 method
	BaF3	IC ₅₀	35.79 nM	Antiproliferative activity against mouse BaF3 cells harbouring ETV6-TRKB F633L mutant incubated for 3 days by CCK8 method
	BaF3	IC ₅₀	36.7 nM	Cytotoxicity against mouse BaF3 cells transfected with SLC34A2-Ros1 assessed as reduction in cell viability by MTT assay
	BaF3	IC ₅₀	37 nM	Antiproliferative activity against mouse BaF3 cells harbouring CD74-TRKA G6678 mutant incubated for 3 days by CCK8 method
	BaF3	IC ₅₀	4 nM	Cytotoxicity against mouse BaF3 cells expressing TEL fused TrkC assessed as inhibition of cell growth incubated for 3 days by CCK-8 assay
	BaF3	IC ₅₀	4.15 nM	Antiproliferative activity against mouse BaF3 cells harbouring ETV6-TRKC G696A mutant incubated for 3 days by CCK8 method
	BaF3	IC ₅₀	4.9 nM	Cytotoxicity against mouse BaF3 cells transfected with TrKA assessed as reduction in cell viability by MTT assay
	BaF3	IC ₅₀	41.06 nM	Antiproliferative activity against mouse BaF3 cells harbouring ETV6-TRKB G639R mutant incubated for 3 days by CCK8 method



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	BaF3	IC ₅₀	41.4 nM	Antiproliferative activity against mouse BaF3 cells harbouring CD74-TRKA G667C mutant assessed as inhibition of cell growth incubated for 72 hrs by CCK8 assay
	BaF3	IC ₅₀	42.04 nM	Antiproliferative activity against mouse BaF3 cells harbouring ETV6-TRKB G709C mutant incubated for 3 days by CCK8 method
	BaF3	IC ₅₀	423.15 nM	Antiproliferative activity against mouse BaF3 cells harbouring CD74-TRKA G595R/G667A mutant incubated for 3 days by CCK8 method
	BaF3	IC ₅₀	48.16 nM	Antiproliferative activity against mouse BaF3 cells harbouring ETV6-TRKC G696C mutant incubated for 3 days by CCK8 method
	BaF3	IC ₅₀	5.08 nM	Antiproliferative activity against mouse BaF3 cells harbouring ETV6-TRKC G623R mutant incubated for 3 days by CCK8 method
	BaF3	IC ₅₀	5.2 nM	Antiproliferative activity against mouse BaF3 cells harbouring ETV6-TRKB assessed as inhibition of cell growth incubated for 72 hrs by CCK8 assay
	BaF3	IC ₅₀	5.7 nM	Antiproliferative activity against mouse BaF3 cells expressing ETV6 fused TRKC G623E mutant incubated for 3 days by CCK8 assay
	BaF3	IC ₅₀	50 nM	Cytotoxicity against mouse BaF3 cells expressing TEL fused TrkC G696C assessed as inhibition of cell growth incubated for 3 days by CCK-8 assay
	BaF3	IC ₅₀	6.8 nM	Cytotoxicity against mouse BaF3 cells transfected with TrKA G595R mutant assessed as reduction in cell viability by MTT assay
	BaF3	IC ₅₀	7.48 nM	Antiproliferative activity against mouse BaF3 cells harbouring ETV6-TRKC G623E mutant incubated for 3 days by CCK8 method
	BaF3	IC ₅₀	72.6 nM	Antiproliferative activity against mouse BAF3 cells transfected with LMNA-TRKA G667C mutant assessed as cell viability incubated for 72 hrs by CCK8 assay
	BaF3	IC ₅₀	8.2 nM	Antiproliferative activity against mouse BaF3 cells expressing ETV6 fused TRKC G696S mutant incubated for 3 days by CCK8 assay
	BaF3	IC ₅₀	8.5 nM	Antiproliferative activity against mouse BaF3 cells expressing ETV6 fused TRKC G623R mutant incubated for 3 days by CCK8 assay
	BaF3	IC ₅₀	84.5 nM	Antiproliferative activity against mouse BaF3 cells harboring TRKA G667C mutant assessed as cell growth inhibition incubated for 72 hrs by CCK-8 assay
	BaF3	IC ₅₀	9 nM	Cytotoxicity against mouse BaF3 cells expressing TEL fused



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			TrkA assessed as inhibition of cell growth incubated for 3 days by CCK-8 assay
BaF3	IC ₅₀	95.6 nM	Antiproliferative activity against mouse BaF3 cells expressing TRKA G667C mutant assessed as inhibition of cell growth measured after 72 hrs by CCK-8 assay
BaF3	IC ₅₀	> 1000 nM	Antiproliferative activity against mouse BaF3 cells harbouring CD74-TRKA G595R/G667C mutant incubated for 3 days by CCK8 method
BaF3	IC ₅₀	> 1000 nM	Antiproliferative activity against mouse BaF3 cells incubated for 3 days by CCK8 method
BaF3	IC ₅₀	> 10000 nM	Antiproliferative activity against mouse BaF3 cells assessed as inhibition of cell growth incubated for 3 days by CCK8 assay
BaF3	IC ₅₀	> 10000 nM	Cytotoxicity against mouse BaF3 assessed as inhibition of cell growth incubated for 3 days by CCK-8 assay
BaF3	IC ₅₀	> 20000 nM	Antiproliferative activity against mouse BaF3 cells assessed as cell growth inhibition incubated for 72 hrs by CCK-8 assay
KM12	IC ₅₀	0.0028 μ M	Antiproliferative activity against human KM12 cells assessed as inhibition of cell growth incubated for 72 hrs by CCK8 assay
KM12	IC ₅₀	1.7 nM	Antiproliferative activity against human KM12 cells assessed as cell growth inhibition incubated for 72 hrs by CCK-8 assay
KM12	IC ₅₀	2.9 nM	Antiproliferative activity against human KM12 cells assessed as inhibition of cell growth measured after 72 hrs by CCK-8 assay
KM12	IC ₅₀	6.8 nM	Antiproliferative activity against human KM12 cells incubated for 72 hrs by CCK8 assay
KM12	IC ₅₀	$\leq$ 5 nM	Inhibition of cell proliferation in TPM3-NTRK1 fusion positive human KM12 cells incubated for 72 hrs by DAPI staining based analysis
KM12	IC ₅₀	$\leq$ 5 nM	Antiproliferative activity against TrK fused human KM12 cells
MCF7	IC ₅₀	> 10000 nM	Antiproliferative activity against human MCF7 cells incubated for 72 hrs by CCK8 assay
MCF7	IC ₅₀	> 20000 nM	Antiproliferative activity against human MCF7 cells assessed as cell growth inhibition incubated for 72 hrs by CCK-8 assay
NIH3T3	GI ₅₀	1.6 nM	Antiproliferative activity against mouse NIH3T3 cells transfected with wild type TRKA assessed as cell growth inhibition
NIH3T3	GI ₅₀	17.5 nM	Antiproliferative activity against mouse NIH3T3 cells harbouring ETV6-TRKC G696A mutant incubated for 3 days by CCK8 method
NIH3T3	GI ₅₀	2 nM	Antiproliferative activity against mouse NIH3T3 cells



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				expressing wild type TRKC mutant assessed as inhibition of cell growth measured after 72 hrs by CCK-8 assay	
	NIH3T3	GI ₅₀	25 nM	Antiproliferative activity against mouse NIH3T3 cells expressing TRKA G667S mutant assessed as inhibition of cell growth measured after 72 hrs by CCK-8 assay	
	NIH3T3	GI ₅₀	29 nM	Antiproliferative activity against mouse NIH3T3 cells harbouring TRKA V573M mutant assessed as cell growth inhibition incubated for 3 days by CCK8 method	
	NIH3T3	GI ₅₀	45.5 nM	Antiproliferative activity against mouse NIH3T3 cells expressing TRKC G623R mutant assessed as inhibition of cell growth measured after 72 hrs by CCK-8 assay	
	NIH3T3	GI ₅₀	64 nM	Antiproliferative activity against mouse NIH3T3 cells transfected with TRKA G667C mutant assessed as cell growth inhibition incubated for 3 days by CCK8 method	
	NIH3T3	GI ₅₀	7 nM	Antiproliferative activity against mouse NIH3T3 cells harbouring TRKC G595R mutant assessed as cell growth inhibition incubated for 3 days by CCK8 method	
	NIH3T3	GI ₅₀	9 nM	Antiproliferative activity against mouse NIH3T3 cells expressing TRKA F589L mutant assessed as inhibition of cell growth measured after 72 hrs by CCK-8 assay	
In Vitro	Selitrectinib (LOXO-195) 显示出与野生型 TRKA、TRKB 和 TRKC 激酶结构域的强结合力。Selitrectinib (LOXO-195) 在激酶活性测定中表现出强效 (IC50<1 nM) 抑制活性。值得注意的是, Selitrectinib (LOXO-195) 对 TRKA G595R、TRKC G623R 和 TRKA G667C 具有低纳摩尔抑制活性, IC50 范围为 2.0-9.8 nM。在 Selitrectinib (LOXO-195) 浓度为 1 μM 时, 对 228 种体外激酶进行了分析, 该浓度比其对 TRKA 的 IC50 (0.6 nM) 高约 1667 倍。Selitrectinib (LOXO-195) 对 98% 的非 TRK 激酶的选择性高出 1000 倍以上。Selitrectinib (LOXO-195) 在含有 TRK 融合基因的 KM12、CUTO-3 和 MO-91 细胞系中表现出强效的细胞增殖抑制作用 (IC50≤5 nM)[1]。				
In Vivo	将稳定转染的 NIH-3T3 ΔTRKA 和 ΔTRKA-G595R 细胞皮下植入裸鼠侧腹。Selitrectinib 能有效降低 ΔTRKA 驱动的肿瘤中的磷酸化 TRKA。在四种 TRKA 依赖性肿瘤模型 (ΔTRKA、ΔTRKA-G595R、ΔTRKAG667C 和 TPM3-NTRK1 融合阳性 KM12 结直肠癌细胞) 中, 所有剂量的 Selitrectinib (LOXO-195) 均能抑制肿瘤生长 (相对于载体)。Larotrectinib 对 KM12 和 NIH 3T3-ΔTRKA 肿瘤的抑制程度相似。任何药物治疗后, 组内平均体重减轻均不超过 5%。Selitrectinib (LOXO-195) 对 TRK 蛋白表现出高选择性[1]。				
Solvent&Solubility	细胞实验:				
	DMSO 中的溶解度 : 62.5 mg/mL (164.29 mM; 超声助溶; 吸湿的 DMSO 对产品的溶解度有显著影响, 请使用新开封的 DMSO)				
	Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
		1 mM	2.6287 mL	13.1434 mL	26.2867 mL
		5 mM	0.5257 mL	2.6287 mL	5.2573 mL
	10 mM	0.2629 mL	1.3143 mL	2.6287 mL	
* 请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液; 一旦配成溶液, 请分装保存, 避免反复冻融造成的产品失效。					



	储备液的保存方式和期限: -80°C, 2 years; -20°C, 1 year。 -80°C 储存时, 请在 2 年内使用, -20°C 储存时, 请在 1 年内使用。 动物实验: 请根据您的 实验动物和给药方式 选择适当的溶解方案。 以下溶解方案都请先按照 In Vitro 方式配制澄清的储备液, 再依次添加助溶剂: ——为保证实验结果的可靠性, 澄清的储备液可以根据储存条件, 适当保存; 体内实验的工作液, 建议您现用现配, 当天使用; 以下溶剂前显示的百分比是指该溶剂在您配制终溶液中的体积占比; 如在配制过程中出现沉淀、析出现象, 可以通过加热和/或超声的方式助溶 方案 一 请依序添加每种溶剂: 10% DMSO → 40% PEG300 → 5% Tween-80 → 45% Saline Solubility: ≥ 2.08 mg/mL (5.47 mM); 澄清溶液 此方案可获得 ≥ 2.08 mg/mL (饱和度未知) 的澄清溶液。 以 1 mL 工作液为例, 取 100 μL 20.8 mg/mL 的澄清 DMSO 储备液加到 400 μL PEG300 中, 混合均匀; 再向上述体系中加入 50 μL Tween-80, 混合均匀; 然后再继续加入 450 μL 生理盐水 定容至 1 mL。 生理盐水的配制: 将 0.9 g 氯化钠, 溶解于 ddH₂O 并定容至 100 mL, 可以得到澄清透明的生理盐水溶液。 方案 二 请依序添加每种溶剂: 10% DMSO → 90% (20% SBE-β-CD in Saline) Solubility: ≥ 2.08 mg/mL (5.47 mM); 澄清溶液 此方案可获得 ≥ 2.08 mg/mL (饱和度未知) 的澄清溶液。 以 1 mL 工作液为例, 取 100 μL 20.8 mg/mL 的澄清 DMSO 储备液加到 900 μL 20% 的 SBE-β-CD 生理盐水水溶液 中, 混合均匀。 2 g SBE-β-CD (磺丁基醚 β-环糊精) 粉末定容于 10 mL 的生理盐水中, 完全溶解至澄清透明。 方案 三 请依序添加每种溶剂: 10% DMSO → 90% Corn Oil Solubility: ≥ 2.08 mg/mL (5.47 mM); 澄清溶液 此方案可获得 ≥ 2.08 mg/mL (饱和度未知) 的澄清溶液, 此方案实验周期在半个月以上的动物实验酌情使用。 以 1 mL 工作液为例, 取 100 μL 20.8 mg/mL 的澄清 DMSO 储备液加到 900 μL 玉米油中, 混合均匀。
参考文献	[1]. Drilon A, et al. A Next-Generation TRK Kinase Inhibitor Overcomes Acquired Resistance to Prior TRK Kinase Inhibition in Patients with TRK Fusion-Positive Solid Tumors. Cancer Discov. 2017 Sep;7(9):963-972.

完整储备液配制表:

请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液; 一旦配成溶液, 请分装保存, 避免反复冻融造成的产品失效。

储备液的保存方式和期限: -80° C, 2 years; -20° C, 1 year。 -80° C 储存时, 请在 2 年内使用, -20° C 储存时, 请在 1 年内使用。

可选溶剂	质量 溶剂体积 浓度	1 mg	5 mg	10 mg	25 mg
DMSO	1 mM	2.6287 mL	13.1434 mL	26.2867 mL	65.7168 mL



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	5 mM	0.5257 mL	2.6287 mL	5.2573 mL	13.1434 mL
	10 mM	0.2629 mL	1.3143 mL	2.6287 mL	6.5717 mL
	15 mM	0.1752 mL	0.8762 mL	1.7524 mL	4.3811 mL
	20 mM	0.1314 mL	0.6572 mL	1.3143 mL	3.2858 mL
	25 mM	0.1051 mL	0.5257 mL	1.0515 mL	2.6287 mL
	30 mM	0.0876 mL	0.4381 mL	0.8762 mL	2.1906 mL
	40 mM	0.0657 mL	0.3286 mL	0.6572 mL	1.6429 mL
	50 mM	0.0526 mL	0.2629 mL	0.5257 mL	1.3143 mL
	60 mM	0.0438 mL	0.2191 mL	0.4381 mL	1.0953 mL
	80 mM	0.0329 mL	0.1643 mL	0.3286 mL	0.8215 mL
	100 mM	0.0263 mL	0.1314 mL	0.2629 mL	0.6572 mL

