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产品名称: **HQ-415**
产品别名: **HQ-415**

生物活性:					
Description	HQ-415 is a class of clinically relevant bioactive metal chelators related to clioquinol. The effective concentration eliciting a EC50 for HQ-415 is 15 μM. IC50 value: 15 μM (EC50) in vitro: In TDP-43-expressing cells, CQ fails to synergize with HQ-161 and actually antagonizes HQ-161 rescuing activity. In contrast, despite the fact that CQ was completely inactive against TDP-43, it strongly synergized with HQ-415, decreasing the EC50 from 16 to 5 μM. HQ-415 is active in the TDP-43 model, but CQ was not HQ-161 and HQ-415 are retested in dose for their ability to rescue TDP-43. Both HQ-161 and HQ-415 rescue TDP-43 toxicity. In cells expressing α-syn, HQ-161, despite being inactive on its own, synergized with HQ-415, reducing the EC50 from 21 to 14 μM. HQ-415 strongly synergizes with CQ at multiple concentrations in cells expressing α-syn.				
Solvent&Solubility	In Vitro: DMSO : 5.6 mg/mL (13.48 mM; Need ultrasonic and warming)				
	Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
		1 mM	2.4069 mL	12.0343 mL	24.0685 mL
		5 mM	0.4814 mL	2.4069 mL	4.8137 mL
		10 mM	0.2407 mL	1.2034 mL	2.4069 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, 6 months; -20°C, 1 month。 -80°C 储存时，请在 6 个月内使用，-20°C 储存时，请在 1 个月内使用。					
References	[1]. Tardiff DF, et al. Different 8-hydroxyquinolines protect models of TDP-43 protein, α-synuclein, and polyglutamine proteotoxicity through distinct mechanisms. J Biol Chem. 2012 Feb 3;287(6):4107-4120.				