

产品名称: **BRD7552**

产品别名: **BRD7552**

生物活性:

Description	BRD7552 is an inducer of transcription factor PDX1, which increases insulin expression. Target: PDX1 [1] in vitro: BRD7552 upregulates PDX1 expression in both primary human islets and ductal cells, and induces epigenetic changes in the PDX1 promoter consistent with transcriptional activation. BRD7552 increases PDX1 mRNA levels by 2- to 4-fold, with a maximal effect at 5 μM and the expression of MAFA. BRD7552 increases PDX1 expression in mouse αTC cells but not βTC cells. Treatment of PANC-1 cells with BRD7552 causes a dose-dependent increase in insulin mRNA expression. [1]				
Solvent&Solubility	<i>In Vitro:</i> DMSO : ≥ 38 mg/mL (53.40 mM) * "≥" means soluble, but saturation unknown.				
	Preparing Stock Solutions	<div>Solvent / Mass Concentration</div>	1 mg	5 mg	10 mg
		1 mM	1.4052 mL	7.0261 mL	14.0522 mL
		5 mM	0.2810 mL	1.4052 mL	2.8104 mL
		10 mM	0.1405 mL	0.7026 mL	1.4052 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]. Yuan Y, et al. A small-molecule inducer of PDX1 expression identified by high-throughput screening. Chem Biol. 2013 Dec 19;20(12):1513-1522.				

源叶生物