#MS1013

CM272

CAS No. 1846570-31-7

☑ 5mg
☑ 10mg

Orders	021-34695924 orders@ab-mart.com
Support	400-6123-828 support1@ab-mart.com
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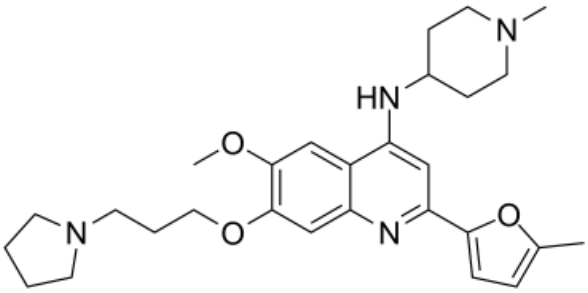
结构式



化学数据

分子量	478.63	**储存条件**	3 年-20°C 粉状 2 年-80°C 溶于溶剂
化学式	$C_{28}H_{38}N_4O_3$		
CAS 号	1846570-31-7	**别名**	N/A
化学名	4-Quinolinamine,6-methoxy-2-(5-methyl-2-furanyl)-N-(1-methyl-4-piperidinyl)-7-[3-(1-pyrrolidinyl)propoxy]-		
Solubility (25°C) *	体外	DMSO	96 mg/mL (200.57 mM)
		Ethanol	96 mg/mL (200.57 mM)
		Water	Insoluble
	体内（现配现用）		

* <1 mg/ml means slightly soluble or insoluble.

* Please note that Selleck tests the solubility of all compounds in-house, and the actual solubility may differ slightly from published values. This is normal and is due to slight batch-to-batch variations.

制备储备液

浓度 / 溶剂体积 / 质量	1 mg	5 mg	10 mg
1 mM	2.0893 mL	10.4465 mL	20.8930 mL
5 mM	0.4179 mL	2.0893 mL	4.1786 mL
10 mM	0.2089 mL	1.0446 mL	2.0893 mL
50 mM	0.0418 mL	0.2089 mL	0.4179 mL

生物活性

产品描述	CM272 是新型、一流的 **G9a (GLP)** 和 **DNMTs** 双重可逆抑制剂，对 **G9a**, **DNMT1**, **DNMT3A**, **DNMT3B**, **GLP** 的 IC50 值分别为 8 nM, 382 nM, 85 nM, 1200 nM, 2 nM。CM272 通过至少部分诱导免疫原性细胞死亡，延长了血液系统恶性肿瘤体内模型的存活时间。				
靶点/IC50	G9a	GLP	DNMT1	DNMT3A	DNMT3B
	8 nM (IC_{50})	2 nM (IC_{50})	382 nM (IC_{50})	85 nM (IC_{50})	1200 nM (IC_{50})
体外研究	M-272 (100-1000 nM; 12-72 hours; CEMO-1, MV4-11 and OCI-Ly10 cell lines) treatment inhibits cell proliferation in a dose- and time-dependent manner. CM-272 (100-1000 nM; 24 hours; CEMO-1, MV4-11 and OCI-Ly10 cell lines) treatment blocks cell cycle progression. CM-272 (100-1000 nM; 12-72 hours; CEMO-1, MV4-11 and OCI-Ly10 cell lines) treatment induces apoptosis in ALL, AML and DLBCL cell lines in a dose- and time-dependent manner. CM-272 after 48 h of treatment CEMO-1 acute lymphoblastic leukaemia (ALL) cell line, MV4-11 acute myeloid leukaemia (AML) cell line and OCI-Ly10 diffuse large B-cell lymphoma (DLBCL) cell line, the GI_{50} values of 218 nM, 269 nM and 455 nM, respectively, and is associated with a decrease in global levels of H3K9me2 and 5mC. The therapeutic activity of CM-272 relies on the early activation of the type I IFN response in tumour cells, potentially leading to the induction of cell autonomous immunogenic death in tumour cells				
体内研究	CM-272 (2.5 mg/kg; intravenous injection; daily; for 28 days; female $Rag2^{-/-}\gamma c^{-/-}$ mice) treatment significantly prolongs survival of CEMO-1 cells xenogeneic models.				

如果需要长期保存，请于零下二十度低温保存。

禁止用于人体及治疗！

特定的存储和包装每个产品的信息在产品说明书上都有注明。大多数产品，在推荐的条件下存储可稳定保存两年。产品有时建议的储存温度不同，大多数建议储存在-20°C，抑制剂属于化学试剂，可在常温下运输储存两周左右。即使如此，我们保证产品的出货量将保持产品质量的条件下，一般都会放入冰袋。望阁下收到产品后，请按照产品数据表建议适当存储。