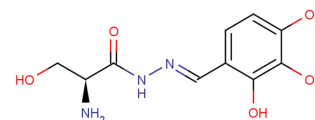


CSRM617

Chemical Properties

CAS No.:	787504-88-5
Formula:	C ₁₀ H ₁₃ N ₃ O ₅
Molecular Weight:	255.23
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	CSRM617 is a selective small molecule inhibitor of the transcription factor ONECUT2 (OC2, the main regulator of androgen receptor). The K _d in SPR analysis is 7.43 μM, which can directly bind to the OC2-HOX domain. CSRM617 induces apoptosis by cleaving the presence of Caspase-3 and PARP. CSRM617 is well tolerated in a mouse model of prostate cancer.
Targets(IC ₅₀)	Others: None
In vitro	CSRM617 (0.01-100 μM; 48 hours) inhibits cell growth in several PC cell lines: PC-3, 22RV1, LNCaP, C4-2 cells. CSRM617 (10-20 μM; 48 hours) induces 22Rv1 cell apoptosis, leading to concentration-dependent cell death. CSRM617 (20 μM; 72 hours) induced 22Rv1 cell apoptosis by cleaving the presence of Caspase-3 and PARP.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.918 mL	19.59 mL	39.18 mL
5 mM	0.784 mL	3.918 mL	7.836 mL
10 mM	0.392 mL	1.959 mL	3.918 mL
50 mM	0.078 mL	0.392 mL	0.784 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Rotinen M, et al. ONECUT2 is a targetable master regulator of lethal prostate cancer that suppresses the androgen axis. Nat Med. 2018 Dec;24(12):1887-1898.

Inhibitors · Natural Compounds · Compound Libraries

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