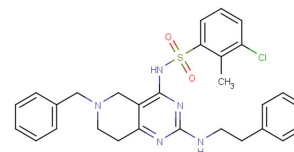


CaMKII-IN-1

Chemical Properties

CAS No.:	1208123-85-6
Formula:	C ₂₉ H ₃₀ ClN ₅ O ₂ S
Molecular Weight:	548.1
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	CaMKII-IN-1 is a potent and highly selective CaMKII inhibitor (IC ₅₀ : 63 nM). It has significantly high selectivity against CaMKIV, p38a, MLCK, Akt1, and PKC.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	DMSO: 54 mg/mL (98.52 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.824 mL	9.122 mL	18.245 mL
5 mM	0.365 mL	1.824 mL	3.649 mL
10 mM	0.182 mL	0.912 mL	1.824 mL
50 mM	0.036 mL	0.182 mL	0.365 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. Asano S, et al. 5,6,7,8-Tetrahydropyrido[4,3-d]pyrimidines as novel class of potent and highly selective CaMKII inhibitors. Bioorg Med Chem Lett. 2010 Nov 15;20(22):6696-8.

Inhibitors · Natural Compounds · Compound Libraries

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