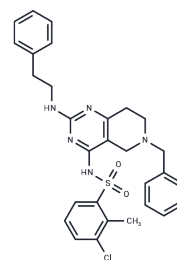


CaMKII-IN-1

Chemical Properties

CAS No. :	1208123-85-6
Formula:	C ₂₉ H ₃₀ ClN ₅ O ₂ S
Molecular Weight:	548.1
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	CaMKII-IN-1, a potent and highly selective inhibitor of CaMKII (IC ₅₀ = 63 nM), exhibits over 100-fold higher selectivity for CaMKII compared to CaMKIV, MLCK, p38a, Akt1, and PKC.
Targets(IC ₅₀)	CaMK, Autophagy

Solubility Information

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

	1mg	5mg	10mg
1 mM	1.8245 mL	9.1224 mL	18.2448 mL
5 mM	0.3649 mL	1.8245 mL	3.649 mL
10 mM	0.1824 mL	0.9122 mL	1.8245 mL
50 mM	0.0365 mL	0.1824 mL	0.3649 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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