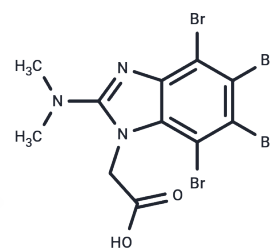


CK2/ERK8-IN-1

Chemical Properties

CAS No. :	1085822-09-8
Formula:	C ₁₁ H ₉ Br ₄ N ₃ O ₂
Molecular Weight:	534.82
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	CK2/ERK8-IN-1 (TMCB) is a dual inhibitor of casein kinase 2 (CK2) (Ki: 0.25 μM) and ERK8 (IC50s: 0.50 μM) with pro-apoptotic efficacy. CK2/ERK8-IN-1 also binds to PIM1, DYRK1A, and HIPK2 (Kis: 8.65 μM, 11.9 μM, and 15.25 μM).
Targets(IC50)	Apoptosis,ERK,Casein Kinase,DYRK,Pim
In vitro	In Jurkat cells, CK2/ERK8-IN-1 (Compound K66; 0-50 μM; 24 hours) treatment displays cytotoxic activity[1].

Solubility Information

Solubility	DMSO: 1 mg/mL (1.87 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	1.8698 mL	9.3489 mL	18.6979 mL
5 mM	0.374 mL	1.8698 mL	3.7396 mL
10 mM	0.187 mL	0.9349 mL	1.8698 mL
50 mM	0.0374 mL	0.187 mL	0.374 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

Pagano MA, et al. The selectivity of inhibitors of protein kinase CK2: an update. Biochem J. 2008 Nov 1;415(3):353-65.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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