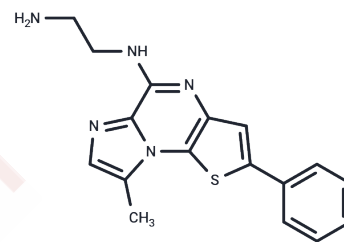


IKK-IN-3

Chemical Properties

CAS No. : 615528-53-5
 Formula: C₁₇H₁₇N₅S
 Molecular Weight: 323.42
 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	IKK-IN-3 is a highly potent and selective inhibitor of IkappaB kinase 2 (IKK2 or IKKβ). It exhibits impressive inhibitory activity against IKK2 (IC ₅₀ = 19 nM), while also demonstrating significant efficacy against IKK1 (or IKKα) with an IC ₅₀ value of 400 nM.
Targets(IC ₅₀)	Others,IκB/IKK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.092 mL	15.4598 mL	30.9195 mL
5 mM	0.6184 mL	3.092 mL	6.1839 mL
10 mM	0.3092 mL	1.546 mL	3.092 mL
50 mM	0.0618 mL	0.3092 mL	0.6184 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

Kempson J , et al. Novel tricyclic inhibitors of IkappaB kinase. J Med Chem. 2009;52(7):1994-2005.

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