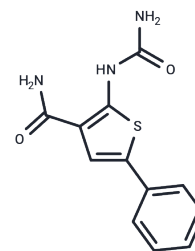


IKK2-IN-4

Chemical Properties

CAS No. : 354811-10-2
 Formula: C₁₂H₁₁N₃O₂S
 Molecular Weight: 261.3
 Storage: Store at low temperature
 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	IKK2-IN-4 (IKK2 Inhibitor VI) is a highly potent IKK-2 inhibitor with an IC ₅₀ value of 25 nM. IKK2-IN-4 inhibited the production of TNF- α in PBMC induced by LPS.
Targets (IC ₅₀)	I κ B/IKK, TNF

Solubility Information

Solubility	Ethanol: 2 mg/mL (7.65 mM), Sonication is recommended. DMSO: 30 mg/mL (114.81 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	3.827 mL	19.1351 mL	38.2702 mL
5 mM	0.7654 mL	3.827 mL	7.654 mL
10 mM	0.3827 mL	1.9135 mL	3.827 mL
50 mM	0.0765 mL	0.3827 mL	0.7654 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

Baxter A, et, al. Hit-to-lead studies: the discovery of potent, orally active, thiophenecarboxamide IKK-2 inhibitors. *Bioorg Med Chem Lett*. 2004 Jun 7;14(11):2817-22.

McNamara, L.A., Ganesh, J.A., and Collins, K.L. Latent HIV-1 infection occurs in multiple subsets of hematopoietic progenitor cells and is reversed by NF- κ B activation. *Journal of Virology* 86(17), 9337-9350 (2012).

Punj, V., Matta, H., and Chaudhary, P.M. A computational profiling of changes in gene expression and transcription factors induced by vFLIP K13 in primary effusion lymphoma. *PLoS One* 7(5), 1-15 (2012).

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