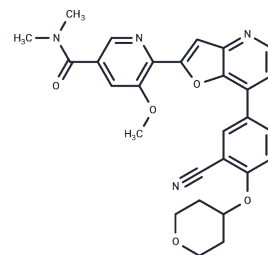


TBK1/IKK ϵ -IN-1

Chemical Properties

CAS No. :	2058264-32-5
Formula:	C ₂₈ H ₂₆ N ₄ O ₅
Molecular Weight:	498.53
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	TBK1/IKK ϵ -IN-1 is a dual inhibitor of TBK1 and IKK ϵ with IC ₅₀ values of less than 100 nM.
Targets(IC ₅₀)	I κ B/IKK
In vitro	IKK ϵ and TBK1, which are serine/threonine kinases highly homologous to other I κ B kinases (IKK- α and IKK- β), play a crucial role in the innate immune system. Double-stranded RNA viruses are recognized by Toll-like receptors 3 and 4 and RNA helicases RIG-1 and MDA-5, leading to activation of the TRIF-TBK1/IKK ϵ -IRF3 signaling cascade and resulting in a type I interferon response.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0059 mL	10.0295 mL	20.059 mL
5 mM	0.4012 mL	2.0059 mL	4.0118 mL
10 mM	0.2006 mL	1.0029 mL	2.0059 mL
50 mM	0.0401 mL	0.2006 mL	0.4012 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

Brian A. Sherer, et al. Tbk/ikk inhibitor compounds and uses thereof. US 20160376283 A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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