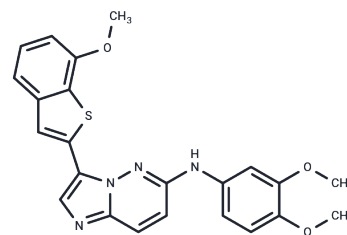


MLK-IN-1

Chemical Properties

CAS No. : 1627729-62-7
Formula: C₂₃H₂₀N₄O₃S
Molecular Weight: 432.5
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	MLK-IN-1 (US20140256733A1, compound 68) is a highly potent and selective inhibitor of mixed lineage kinase 3 (MLK-3). It exhibits excellent brain penetration and specifically targets MLK-3.
In vitro	MLK-IN-1 (100 nM; pre-treatment 20 mins HIV-1 Tat) enhances axon growth even when microglia are activated by Tat and offers protection against HIV-Tat's detrimental effects in vitro[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3121 mL	11.5607 mL	23.1214 mL
5 mM	0.4624 mL	2.3121 mL	4.6243 mL
10 mM	0.2312 mL	1.1561 mL	2.3121 mL
50 mM	0.0462 mL	0.2312 mL	0.4624 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.

Reference

Val S. Goodfellow, et al. Mixed lineage kinase inhibitors and method of treatments. Patent US20140256733A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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