

SPI--112Me

Chemical Properties

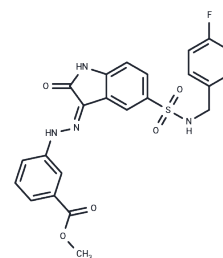
CAS No. : 1243685-62-2

Formula: C₂₃H₁₉FN₄O₅S

Molecular Weight: 482.48

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	SPI--112Me, a prodrug of SPI-112, preferentially inhibits the PTPase activity of Shp2 over Shp1 and PTP1B by more than 20-fold in cell-free assays.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: 55 mg/mL (113.99 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	2.0726 mL	10.3631 mL	20.7262 mL
5 mM	0.4145 mL	2.0726 mL	4.1452 mL
10 mM	0.2073 mL	1.0363 mL	2.0726 mL
50 mM	0.0415 mL	0.2073 mL	0.4145 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

Win-Piazza, H., Schneeberger, V., Chen, L., Pernazza, D., Lawrence, H., & Sebt, S. et al. (2012). Enhanced anti-melanoma efficacy of interferon alfa-2b via inhibition of Shp2. *Send To Cancer Lett*, 320(1), 81-5. doi: 10.1016/j.canlet.2012.01.034

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