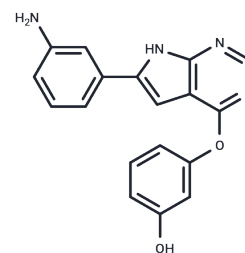


TWS119

Chemical Properties

CAS No. : 601514-19-6
Formula: C₁₈H₁₄N₄O₂
Molecular Weight: 318.33
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	TWS119 is a GSK-3β inhibitor; capable of inducing neuronal differentiation
Targets(IC50)	GSK-3, Autophagy
In vivo	A cell population that expressed low levels of CD44 and high levels of CD62L on the cell surface when 30 mg/kg of TWS119 is administered. [4]

Solubility Information

Solubility	DMSO: 60 mg/mL (188.5 mM), Ethanol: < 1 mg/mL (insoluble or slightly soluble), < 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1414 mL	15.707 mL	31.4139 mL
5 mM	0.6283 mL	3.1414 mL	6.2828 mL
10 mM	0.3141 mL	1.5707 mL	3.1414 mL
50 mM	0.0628 mL	0.3141 mL	0.6283 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

- Ding S, et al, Pro Natl Acad Sci U S A, 2003, 100(13), 7632-7637.
Ding S, et al, Nat Biotechnol, 2004, 22(7), 833-840.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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