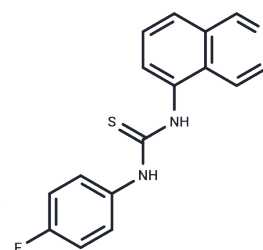


WAY-353591

Chemical Properties

CAS No. : 454427-09-9
 Formula: C₁₆H₁₂FN₃S
 Molecular Weight: 297.35
 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	WAY-353591 is a casein kinase 1d (CK1d) inhibitor that also directly inhibits the catalytic activity of tyrosinase, with a half-maximal inhibitory concentration (IC ₅₀) of 131 μM. WAY-353591 can be used in pathological studies of neurodegenerative diseases.
Targets(IC50)	Casein Kinase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.363 mL	16.8152 mL	33.6304 mL
5 mM	0.6726 mL	3.363 mL	6.7261 mL
10 mM	0.3363 mL	1.6815 mL	3.363 mL
50 mM	0.0673 mL	0.3363 mL	0.6726 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

Genç H, Zengin M, Yavuz E, Gençer N, Arslan O. Synthesis and tyrosinase inhibitory properties of novel isoquinoline urea/thiourea derivatives. *Artif Cells Nanomed Biotechnol.* 2014;42(3):178-185.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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