

YH-306

Chemical Properties

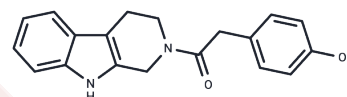
CAS No. : 1373764-75-0

Formula: C₁₉H₁₈N₂O₂

Molecular Weight: 306.36

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	YH-306 (TRV055 acetate) is a modulator of the FAK signaling pathway that acts by suppressing colorectal tumor growth and metastasis.
Targets(IC50)	Apoptosis,MMP,MMP,FAK,Rho,PI3K,Src
In vitro	YH-306 suppresses the activation of FAK, c-Src, paxillin, and PI3K, Rac1, and the expression of MMP2 and MMP9. YH-306 potently suppresses uninhibited proliferation and induces cell apoptosis. YH-306 inhibits Arp2/3 complex-mediated actin polymerization[1].

Solubility Information

Solubility	DMSO: 15 mg/mL (48.96 mM),when pH is adjusted to 1 with HCl. 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	3.2641 mL	16.3207 mL	32.6413 mL
5 mM	0.6528 mL	3.2641 mL	6.5283 mL
10 mM	0.3264 mL	1.6321 mL	3.2641 mL
50 mM	0.0653 mL	0.3264 mL	0.6528 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

Dai F, et al. A novel synthetic small molecule YH-306 suppresses colorectal tumour growth and metastasis via FAK pathway. J Cell Mol Med. 2015 Feb;19(2):383-95.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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