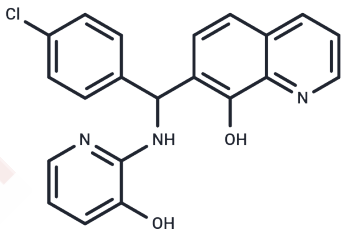
Data Sheet (Cat.No.T22022)

TargetMol

Adaptaquin

Chemical Properties



CAS No. : 385786-48-1

Formula: C21H16ClN3O2

Molecular Weight: 377.82

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	Adaptaquin is an inhibitor of the hypoxia-inducing factor prolyl hydroxylase (HIF-PH) [1] [2].
Targets(IC50)	HIF/HIF Prolyl-Hydroxylase,HIF,ROS

Solubility Information

Solubility	DMSO: 55 mg/mL (145.57 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6468 mL	13.2338 mL	26.4676 mL
5 mM	0.5294 mL	2.6468 mL	5.2935 mL
10 mM	0.2647 mL	1.3234 mL	2.6468 mL
50 mM	0.0529 mL	0.2647 mL	0.5294 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

Natalya A Smirnova, et, al. Utilization of an in vivo reporter for high throughput identification of branched small molecule regulators of hypoxic adaptation. Chem Biol. 2010 Apr 23;17(4):380-91.
S Neitemeier, et, al. Inhibition of HIF-prolyl-4-hydroxylases prevents mitochondrial impairment and cell death in a model of neuronal oxytosis. Cell Death Dis. 2016 May 5;7(5):e2214.

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