

PERK/eIF2 $\alpha$  activator 1

## Chemical Properties

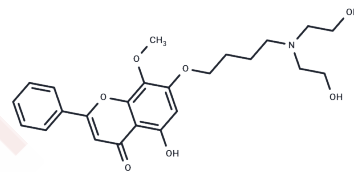
CAS No. : 1178583-17-9

Formula: C<sub>24</sub>H<sub>29</sub>N<sub>3</sub>O<sub>7</sub>

Molecular Weight: 443.49

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	Compound V8 (PERK/eIF2 $\alpha$ activator 1), a flavonoid, exhibits anti-tumor properties by inducing apoptosis and activating the PERK-eIF2 $\alpha$ -ATF4 pathway. It effectively inhibits the proliferation of HepG2 cells, with an IC <sub>50</sub> value of 23 $\mu$ M [1].
Targets(IC <sub>50</sub> )	PERK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2548 mL	11.2742 mL	22.5484 mL
5 mM	0.451 mL	2.2548 mL	4.5097 mL
10 mM	0.2255 mL	1.1274 mL	2.2548 mL
50 mM	0.0451 mL	0.2255 mL	0.451 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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