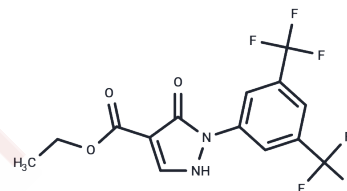


Neuroprotective agent 1

Chemical Properties

CAS No. :	1878204-21-7
Formula:	C ₁₄ H ₁₀ F ₆ N ₂ O ₃
Molecular Weight:	368.23
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	ethyl 2-[3,5-bis(trifluoromethyl)phenyl]-3-oxo-2,3-dihydro-1H-pyrazole-4-carboxylate is a synthetic compound belonging to the curcumin family. It is involved in the regulation of immune response and inflammation through inhibition of the NF-κB signaling pathway, in the regulation of antioxidant response through activation of the Nrf2 signaling pathway, and in the regulation of cell survival and proliferation through inhibition of the Akt signaling pathway.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (135.78 mM),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	2.7157 mL	13.5785 mL	27.1569 mL
5 mM	0.5431 mL	2.7157 mL	5.4314 mL
10 mM	0.2716 mL	1.3578 mL	2.7157 mL
50 mM	0.0543 mL	0.2716 mL	0.5431 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

T Ryder, GS Walker, TC Goosen,等. Insights into the novel hydrolytic mechanism of a diethyl 2-phenyl-2-(2-arylacetoxy)methyl malonate ester-based microsomal triglyceride transfer protein (MTP) inhibitor.[J]. Chemical Research in Toxicology, 2012, 25(10):2138-52.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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