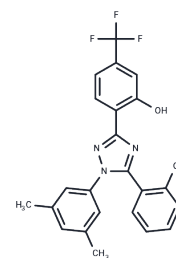


Nrf2 activator-3

Chemical Properties

CAS No. :	2766570-23-2
Formula:	C ₂₃ H ₁₈ F ₃ N ₃ O ₂
Molecular Weight:	425.4
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Nrf2 activator-3 is a potent Nrf2 activator with potential anti-inflammatory, antioxidant, and anti-tumor activities, suitable for studying neurological and immune-related diseases.
Targets(IC50)	Antioxidant,Nrf2
In vitro	Nrf2 activator-3 (1μM, 5μM, and 10μM) alleviated SNP-induced apoptosis in PC12 cells in a concentration-dependent manner[1].
In vivo	In MCAO rats, Nrf2 activator-3 (3 mg/kg, 10 mg/kg, 30 mg/kg; intraperitoneal injection) attenuated cerebral ischemic injury[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3507 mL	11.7536 mL	23.5073 mL
5 mM	0.4701 mL	2.3507 mL	4.7015 mL
10 mM	0.2351 mL	1.1754 mL	2.3507 mL
50 mM	0.047 mL	0.2351 mL	0.4701 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

Yaoqiang Lao, et al. Synthesis and biological evaluation of 1,2,4-triazole derivatives as potential Nrf2 activators for the treatment of cerebral ischemic injury. Eur J Med Chem. 2022 Jun 5;236:114315.

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