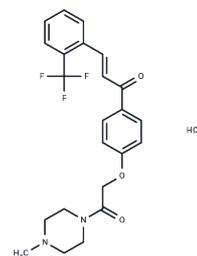


## Nrf2 activator-4

## Chemical Properties

CAS No. :	2383016-68-8
Formula:	C <sub>23</sub> H <sub>24</sub> ClF <sub>3</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	468.9
Appearance:	no data available
Storage:	keep away from direct sunlight,keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Nrf2 activator-4 is an Nrf2 activator that inhibits the production of reactive oxygen species in microglia for the treatment of fatty liver disease associated with metabolic dysfunction in humans.
Targets(IC50)	Reactive Oxygen Species,Nrf2

## Solubility Information

Solubility	DMSO: 80 mg/mL (170.61 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	2.1327 mL	10.6633 mL	21.3265 mL
5 mM	0.4265 mL	2.1327 mL	4.2653 mL
10 mM	0.2133 mL	1.0663 mL	2.1327 mL
50 mM	0.0427 mL	0.2133 mL	0.4265 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.

## Reference

Kim HJ, et al. A novel chalcone derivative as Nrf2 activator attenuates learning and memory impairment in a scopolamine-induced mouse model. *Eur J Med Chem.* 2020 Jan 1;185:111777.

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