

## Transcrocetin meglumine salt

### Chemical Properties

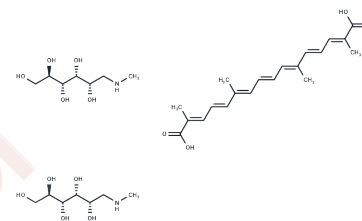
CAS No. :

Formula: C34H58N2O14

Molecular Weight: 718.83

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	Transcrocetin meglumine salt is a natural product isolated from saffron ( <i>Crocus sativus</i> L.) and is a high-affinity antagonist of the NMDA receptor.
Targets(IC50)	Others
In vitro	Transcrocetin (trans-Crocetin) shown to exert strong NMDA receptor affinity and is thought to be responsible for the CNS activity of saffron. Cellular mitochondrial dehydrogenase activity of Caco-2 cells is measured by MTT assay after a 24 h incubation period with the test compounds: Hydroalcoholic saffron extract saffron extract (SE, 0.5-1 mg/mL) and crocin-1 (250-1000 μM) reveal no negative significant changes in cellular viability. Transcrocetin at 10 μM level does not change viability while higher concentrations (40-160 μM) reduces significantly cellular viability.

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3911 mL	6.9557 mL	13.9115 mL
5 mM	0.2782 mL	1.3911 mL	2.7823 mL
10 mM	0.1391 mL	0.6956 mL	1.3911 mL
50 mM	0.0278 mL	0.1391 mL	0.2782 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

Lautenschläger M, et al. Intestinal formation of trans-Crocetin from saffron extract (

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