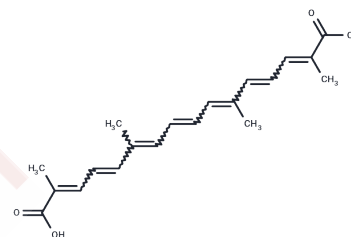


Transcroctetin

Chemical Properties

CAS No. :	27876-94-4
Formula:	C ₂₀ H ₂₄ O ₄
Molecular Weight:	328.40
Storage:	Powder: -20°C for 3 years Actual storage temperature shall be subject to the COA.



Biological Description

Description	Transcroctetin (8,8'-Diapocarotenedioic Acid) is a singlet oxygen quencher.
Targets(IC50)	Apoptosis,Endogenous Metabolite,COX,iGluR,p38 MAPK

Solubility Information

Solubility	DMSO: 1 mg/mL (3.05 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	3.0451 mL	15.2253 mL	30.4507 mL
5 mM	0.609 mL	3.0451 mL	6.0901 mL
10 mM	0.3045 mL	1.5225 mL	3.0451 mL
50 mM	0.0609 mL	0.3045 mL	0.609 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 (*Crocus sativus L.*) and in vitro permeation through intestinal and blood brain barrier. *Phytomedicine*. 2015 Jan 15;22(1):36-44.

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