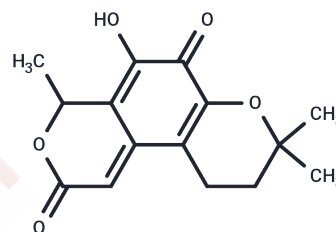


## Fuscin

## Chemical Properties

CAS No. :	83-85-2
Formula:	C <sub>15</sub> H <sub>16</sub> O <sub>5</sub>
Molecular Weight:	276.288
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	Fuscin is a quinonoid fungal metabolite originally isolated from <i>O. fuscum</i> that has diverse biological activities. It inhibits binding of the ADP/ATP translocase inhibitor atractyloside to rat liver mitochondria in an ADP-dependent manner when used at a concentration of 50 $\mu$ M in a radioligand binding assay. Fuscin (20 $\mu$ M) reduces the glutathione content of rat liver mitochondria to 28% of controls and inhibits NADH oxidation in sonicated pigeon heart mitochondria preparations in a concentration-dependent manner. It competes with macrophage inflammatory protein 1 $\alpha$ (MIP-1 $\alpha$ ) for binding to CCR5 chemokine receptors in vitro with an IC <sub>50</sub> value of 21 $\mu$ M.
Targets(IC50)	Others,OXPPOS,HIV Protease,Mitochondrial Metabolism,Endogenous Metabolite, Antibacterial,CCR

## Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	----------------------------------------------------------------------------------

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6194 mL	18.0969 mL	36.1939 mL
5 mM	0.7239 mL	3.6194 mL	7.2388 mL
10 mM	0.3619 mL	1.8097 mL	3.6194 mL
50 mM	0.0724 mL	0.3619 mL	0.7239 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481