

## Octinoxate

## Chemical Properties

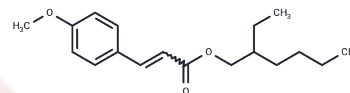
CAS No. : 5466-77-3

Formula: C<sub>18</sub>H<sub>26</sub>O<sub>3</sub>

Molecular Weight: 290.40

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Octinoxate (Octyl 4-methoxycinnamate) is used in sunscreens and other cosmetics to absorb UV-B rays from the sun, protecting the skin from damage, primarily as an ingredient in some sunscreens and lip balms. It is also used to reduce the appearance of scars.
Targets(IC50)	Estrogen Receptor/ERR, Androgen Receptor, Cytochromes P450, Thyroid hormone receptor (THR)

## Solubility Information

Solubility	DMSO: 50 mg/mL (172.18 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4435 mL	17.2176 mL	34.4353 mL
5 mM	0.6887 mL	3.4435 mL	6.8871 mL
10 mM	0.3444 mL	1.7218 mL	3.4435 mL
50 mM	0.0689 mL	0.3444 mL	0.6887 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

Hayden CG, et al. Skin Pharmacol Physiol. 2005 Jul-Aug;18(4):170-4.

**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](mailto:info@targetmol.com)    Address: 34 Washington Street, Wellesley Hills, MA 02481