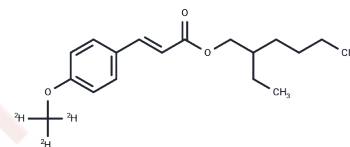


2-Ethylhexyl(E)-3-(4-(methoxy-D3) phenyl)acrylate

Chemical Properties

CAS No. :	2734919-82-3
Formula:	C18H26O3
Molecular Weight:	293.42
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	2-Ethylhexyl(E)-3-(4-(methoxy-D3) phenyl)acrylate is the deuterated form of Octinoxate. Octinoxate (Octyl methoxycinnamate) acts as an agonist of thyroid hormone receptors, leading to a reduction in triiodothyronine (T3) and thyroxine (T4) levels, as well as the transcription levels of type II deiodinase (deio2) related genes in Japanese Medaka. Commonly used as a safe ultraviolet (UV) filter in aquatic environments, Octinoxate inhibits CYP1A1 and CYP1B1, and influences hyaluronic acid (HA) metabolism in human keratinocytes through a PI3K pathway-dependent manner. It also exhibits both anti-estrogenic and anti-androgenic effects in vitro and in vivo.
Targets(IC50)	Estrogen Receptor/ERR,Others,Androgen Receptor,Cytochromes P450,Thyroid hormone receptor(THR)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4081 mL	17.0404 mL	34.0808 mL
5 mM	0.6816 mL	3.4081 mL	6.8162 mL
10 mM	0.3408 mL	1.704 mL	3.4081 mL
50 mM	0.0682 mL	0.3408 mL	0.6816 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

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