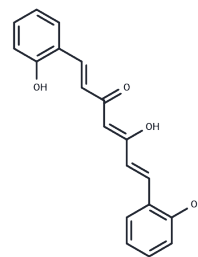


## Salicylcurcumin

## Chemical Properties

CAS No. :	1236545-54-2
Formula:	C19H16O4
Molecular Weight:	308.33
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	Salicylcurcumin, a synthetic curcumin analogue with antioxidant activity, may influence lipid peroxidation in fish, enhancing survival, disease resistance, and growth rate [1].
Targets(IC50)	Glutathione Peroxidase
In vitro	Salicylcurcumin (0.1-10 mM) is capable of inhibiting the formation of lipid peroxidation products and reducing thiobarbituric acid reactive substances (TBARS) levels in vitro [1].
In vivo	Salicylcurcumin enhances the activity of antioxidant enzymes, such as superoxide dismutase, while inhibiting catalase (CAT) and glutathione peroxidase (GPx) [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2433 mL	16.2164 mL	32.4328 mL
5 mM	0.6487 mL	3.2433 mL	6.4866 mL
10 mM	0.3243 mL	1.6216 mL	3.2433 mL
50 mM	0.0649 mL	0.3243 mL	0.6487 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