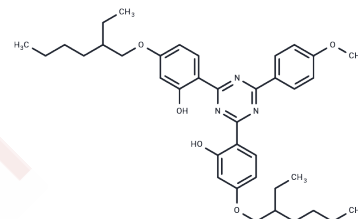


## Bemotrizinol

## Chemical Properties

CAS No. :	187393-00-6
Formula:	C <sub>38</sub> H <sub>49</sub> N <sub>3</sub> O <sub>5</sub>
Molecular Weight:	627.81
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	Bemotrizinol is a UVA absorber used as a topical sunscreen.
Targets(IC50)	Others

## Solubility Information

Solubility	H <sub>2</sub> O: Insoluble, DMSO: Insoluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5928 mL	7.9642 mL	15.9284 mL
5 mM	0.3186 mL	1.5928 mL	3.1857 mL
10 mM	0.1593 mL	0.7964 mL	1.5928 mL
50 mM	0.0319 mL	0.1593 mL	0.3186 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

Gomes J , Silva A , Bello M L , et al. Molecular modeling as a design tool for sunscreen candidates: a case study of bemotrizinol[J]. Journal of Molecular Modeling, 2019, 25(12).

Gomes J , Silva A , Bello M L , et al. Correction to: Molecular modeling as a design tool for sunscreen candidates: a case study of bemotrizinol[J]. Journal of Molecular Modeling, 2020, 26(1):21-.

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