
Product Data Sheet

Product Name: Supercinnamaldehyde

Cat. No.: GC18827

Chemical Properties

Cas. No. 70351-51-8

Chemical Name 1,3-dihydro-1-methyl-3-(2-oxopropylidene)-2H-indol-2-one

SMILES CN(C1=CC=CC=C1/C2=C/C(C)=O)C2=OFormula $C_{12}H_{11}NO_2$ M.Wt 201.2Solubility DMF: 20 mg/ml, DMSO: 20 mg/ml, DMSO:PBS(pH 7.2) (1:3):
0.25 mg/ml, Ethanol: 2 mg/ml Storage at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

Supercinnamaldehyde is an activator of the transient receptor potential ankyrin 1 (TRPA1) channel ($EC_{50} = 0.8 \mu M$) and an analog of cinnamaldehyde. TRPA1 is a nociceptor expressed on sensory neurons and is activated by hot and cold temperatures, mechanical stimuli, and pain.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA