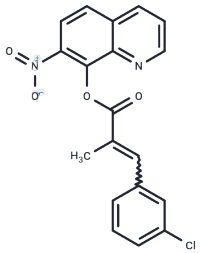
Data Sheet (Cat.No.T30944)

TargetMol

Cinnamic acid, m-chloro-alpha-methyl-, 7-nitro-8-quinolyl ester

Chemical Properties



CAS No. : 29002-30-0

Formula: C19H13ClN2O4

Molecular Weight: 368.77

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	Cinnamic acid, m-chloro-alpha-methyl-, 7-nitro-8-quinolyl ester is a bioactive chemical.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7117 mL	13.5586 mL	27.1172 mL
5 mM	0.5423 mL	2.7117 mL	5.4234 mL
10 mM	0.2712 mL	1.3559 mL	2.7117 mL
50 mM	0.0542 mL	0.2712 mL	0.5423 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

Zeiss DR, Mhlongo MI, Tugizimana F, Steenkamp PA, Dubery IA. Metabolomic Profiling of the Host Response of Tomato (Solanum lycopersicum) Following Infection by Ralstonia solanacearum. Int J Mol Sci. 2019 Aug 14;20(16). pii: E3945. doi: 10.3390/ijms20163945. PubMed PMID: 31416118.

Leng LF, Yi CD, Zhao WK, Yin JL, Zeng GZ. [A new lupane-type triterpenoid from Dichroa hirsuta]. Zhongguo Zhong Yao Za Zhi. 2019 May;44(9):1829-1835. doi: 10.19540/j.cnki.cjcmm.20190222.007. Chinese. PubMed PMID: 31342709.

Zhang J, Hao W, Zhorov BS, Dong K, Jiang D. Discovery of a Novel Series of Tricyclic Oxadiazine 4a-Methyl Esters Based on Indoxacarb as Potential Sodium Channel Blocker/Modulator Insecticides. J Agric Food Chem. 2019 Jul 17; 67(28):7793-7809. doi: 10.1021/acs.jafc.9b00826. Epub 2019 Jul 5. PubMed PMID: 31274315.

Buxton T, Takahashi S, Eddy Doh AM, Baffoe-Ansah J, Owusu EO, Kim CS. Insecticidal activities of cinnamic acid esters isolated from Ocimum gratissimum L. and Vitellaria paradoxa Gaertn leaves against Tribolium castaneum Hebst (Coleoptera: Tenebrionidae). Pest Manag Sci. 2019 Jun 10. doi: 10.1002/ps.5509. [Epub ahead of print] PubMed PMID: 31180169.