Data Sheet (Cat.No.TN1114)

TargetMol
A DRUG SCREENING EXPERT

Carabrone

Chemical Properties

CAS No.:	1748-81-8
Formula:	C15H20O3
Molecular Weight:	248.32
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Some of carabrone derivatives exhibit antifungal activities in vitro or in vivo, the compounds with a pyridinyl residue can either efficiently inhibit spore germination or efficiently inhibit hyphal growth of B. cinerea.
Targets(IC_{50})	Antifection: None
In vitro	To continuously improve the potential utility of the natural lead compound of Carabrone in agrochemistry, Carabrone oxime and 36 novel oxime ester derivatives of Carabrone modified at C(4) were synthesized, and evaluated for their antifungal activities against Botrytis cinerea in vitro and in vivo[1]

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.027 mL	20.135 mL	40.271 mL
5 mM	0.805 mL	4.027 mL	8.054 mL
10 mM	0.403 mL	2.014 mL	4.027 mL
50 mM	0.081 mL	0.403 mL	0.805 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Semisynthesis and antifungal activity of novel oxime ester derivatives of carabrone modified at C(4) against Botrytis cinerea.Chem Biodivers. 2014 Jun;11(6):886-903.

Inhibitors · Natural Compounds · Compound Libraries

Tel:781-999-4286 E-mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481