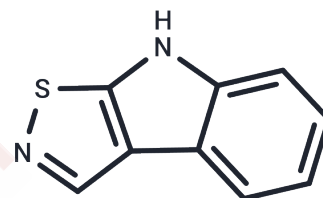


Brassilexin

Chemical Properties

CAS No. :	119752-76-0
Formula:	C ₉ H ₆ N ₂ S
Molecular Weight:	174.22
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	Brassilexin is a cyclobrassinin hydrolase inhibitor, a unique enzyme from the fungal pathogen <i>Alternaria brassicicola</i> .
Targets(IC50)	Others,Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.7399 mL	28.6993 mL	57.3987 mL
5 mM	1.148 mL	5.7399 mL	11.4797 mL
10 mM	0.574 mL	2.8699 mL	5.7399 mL
50 mM	0.1148 mL	0.574 mL	1.148 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

- Pedras MS, Minic Z. The phytoalexins brassilexin and camalexin inhibit cyclobrassinin hydrolase, a unique enzyme from the fungal pathogen *Alternaria brassicicola*. *Bioorg Med Chem*. 2014 Jan 1;22(1):459-67. doi: 10.1016/j.bmc.2013.11.005. Epub 2013 Nov 13. PubMed PMID: 24275350.
- Pedras MS, Hossain S, Snitynsky RB. Detoxification of cruciferous phytoalexins in *Botrytis cinerea*: spontaneous dimerization of a camalexin metabolite. *Phytochemistry*. 2011 Feb;72(2-3):199-206. doi: 10.1016/j.phytochem.2010.11.018. Epub 2010 Dec 20. PubMed PMID: 21176925.
- Pedras MS, Snitynsky RB. Impact of cruciferous phytoalexins on the detoxification of brassilexin by the blackleg fungus pathogenic to brown mustard. *Nat Prod Commun*. 2010 Jun;5(6):883-8. PubMed PMID: 20614815.
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