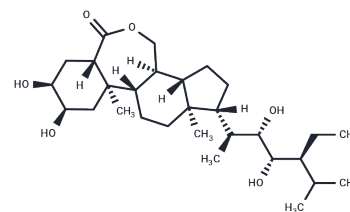


(22S,23S)-Homobrassinolide

Chemical Properties

CAS No. :	80483-89-2
Formula:	C ₂₉ H ₅₀ O ₆
Molecular Weight:	494.7
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	(22S,23S)-Homobrassinolide (SSHB) induces plant growth in various plant bioassay systems.
Targets(IC50)	Others
In vitro	(22S,23S)-Homobrassinolide shows Akt-dependent anabolic activity in rat skeletal muscle cells. (22S,23S)-Homobrassinolide slightly stimulates ferricyanide reduction and promotes the uptake of sucrose and alpha-aminoisobutyric acid[1].

Solubility Information

Solubility	DMSO: 55 mg/mL (111.18 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0214 mL	10.1071 mL	20.2143 mL
5 mM	0.4043 mL	2.0214 mL	4.0429 mL
10 mM	0.2021 mL	1.0107 mL	2.0214 mL
50 mM	0.0404 mL	0.2021 mL	0.4043 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.

Reference

Dahse I, et al. Effects of (22S,23S)-Homobrassinolide and Related Compounds on Membrane Potential and Transport of Egeria Leaf Cells. Plant Physiol. 1990;93(3):1268-1271.

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