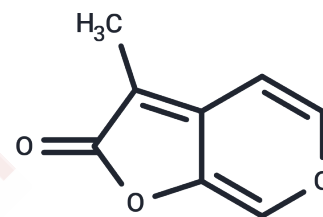


Karrikinolide

Chemical Properties

CAS No. :	857054-02-5
Formula:	C ₈ H ₆ O ₃
Molecular Weight:	150.133
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Karrikinolide, a phytoactive compound derived from smoke, holds potential in horticulture, ecological restoration, and agriculture. This compound exhibits regulatory properties by influencing endogenous cytokinin concentrations and stimulating plant growth.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.6609 mL	33.3045 mL	66.6089 mL
5 mM	1.3322 mL	6.6609 mL	13.3218 mL
10 mM	0.6661 mL	3.3304 mL	6.6609 mL
50 mM	0.1332 mL	0.6661 mL	1.3322 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

Aremu AO, et al. Cytokinin profiles in ex vitro acclimatized *Eucomis autumnalis* plants pre-treated with smoke-derived karrikinolide. *Plant Cell Rep.* 2016 Jan;35(1):227-38.

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