

Product datasheet

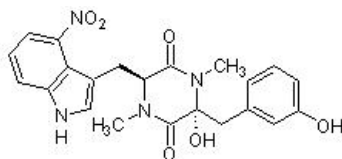
Thaxtomin A, Cellulose synthesis inhibitor ab144372

1 Image

Overview

Product name	Thaxtomin A, Cellulose synthesis inhibitor
Description	Phytotoxin. Potent necrotic agent. Cellulose synthesis inhibitor.
Biological description	Phytotoxin and potent necrotic agent. Cellulose synthesis inhibitor. Bacterial NOS metabolite. Inhibits cellulose synthesis in expanding plant tissues. Herbicidal effects <i>in vivo</i> .
Purity	> 98%
CAS Number	122380-18-1

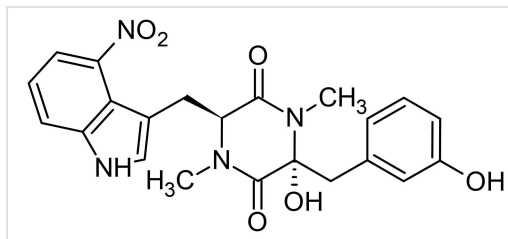
Chemical structure



Properties

Chemical name	(3 <i>R</i> ,6 <i>S</i>)-3-Hydroxy-3-[(3-hydroxyphenyl)methyl]-1,4-dimethyl-6-[(4-nitro-1 <i>H</i> -indol-3-yl)methyl]piperazine-2,5-dione
Molecular weight	438.43
Molecular formula	C ₂₂ H ₂₂ N ₄ O ₆
PubChem identifier	180098
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in ethanol and in DMSO
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
SMILES	CN1[C@H](C(=O)N([C@](C1=O)(CC2=CC(=CC=C2)O)O)C)CC3=CNC4=C3C(=CC=C4)[N+](=O)[O-]

Images



2D chemical structure image of ab144372, Thaxtomin A, Cellulose synthesis inhibitor

Chemical Structure - Thaxtomin A, Cellulose synthesis inhibitor (ab144372)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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