

Product Name : Aurantio-obtusin β -D-glucoside

Synonyms : Glucoaurantio-obtusin

Cat No. : M29094

CAS Number : 129025-96-3

Molecular Formula : C₂₃H₂₄O₁₂

Formula Weight : 492.4

Chemical Name : —

Description

Aurantio-obtusin β -D-glucoside is a natural product originated from the enzymatic cleavage of its glucoside glucoaurantio-obtusin. (In Vitro): Non-targeted metabolic profiling at several time points of resistant and susceptible chickpea cultivars using high-resolution liquid chromatography-mass spectrometry was applied to better understand the mechanistic basis of wilt resistance or susceptibility. Multivariate analysis of the data (OPLS-DA) revealed discriminating metabolites in chickpea root tissue after Foc inoculation such as flavonoids, isoflavonoids, alkaloids, amino acids and sugars. Foc inoculated resistant plants had more flavonoids and isoflavonoids along with their malonyl conjugates. Many antifungal metabolites that were induced after Foc infection viz., aurantio-obtusine β -glucosides (Aurantio-obtusin β -D-glucoside) and quercetin were elevated in resistant cultivar.

Pathway : Others

Target : Other Targets

Receptor : —

Solubility : —

SMILES : COc1c(O)c2C(=O)c3c(OC)c(O)c(C)cc3C(=O)c2cc1O[C@@H]1O[C@H](CO)[C@@H](O)[C@H](O)[C@H]1O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :