

Xanthobaccin A Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Xanthobaccin A

Catalog No.: CFN00144

Cas No.: 227596-81-8

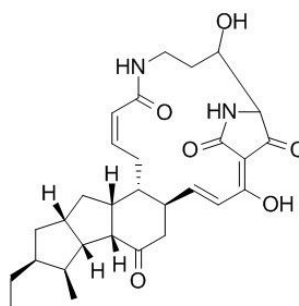
Purity: > 95%

M.F: C₂₉H₃₈N₂O₆

M.W: 510.63

Physical Description: Powder

Synonyms:



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

From *Xanthomonas* sp.

[Biological Activity or Inhibitors]

Xanthobaccin A, a antifungal compound, isolated from the culture fluid of *StenotropHo-*

Monas sp. strain SB-K88, direct application of purified xanthobaccin A to seeds can suppress damping-off disease in soil naturally infested by Pythium spp ; suggest that xanthobaccin A produced by strain SB-K88 plays a key role in suppression of sugar beet damping-off disease.^[1]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[1]

Mobile phase: Tetrahydrofuran- 25 mM KH₂PO₄=40:60;

Flow rate: 0.8 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 320 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Nakayama T, Homma Y, Hashidoko Y, *et al. Appl. Environ. Microb.*, 1999, 65(10):4334-9.

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