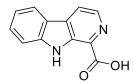


β-Carboline 1-carboxylic acid

PRODUCT DATA SHEET

Code No.: BIA-C1943

Pack sizes: 1 mg, 5 mg



Synonyms :

Specifications

CAS # : 26052-96-0 Molecular Formula : $C_{12}H_8N_2O_2$ Molecular Weight : 212.2

Source : Quassia amara
Appearance : Off-white solid
Purity : >95% by HPLC

Long Term Storage : -20°C

Solubility : Soluble in methanol or DMSO

Application Notes

 β -Carboline 1-carboxylic acid, isolated from Quassia amara, displays antineuroinflammatory activity in lipopolysaccharide-induced BV2 microglial cells, inhibiting the production of nitric oxide and prostaglandin E2. Derivatives of β -carboline 1-carboxylic acid inhibit mitogen-activated protein kinase 2. β -Carboline 1-carboxylic acid is also formed endogenously from tryptophan.

References

- 1. Anti-neuroinflammatory activities of indole alkaloids from kanjang (Korean fermented soy source) in lipopolysaccharide-induced BV2 microglial cells. Kim D-C. et al. Food Chem. 2016, 213, 69.
- 2. Novel tetrahydro-beta-carboline-1-carboxylic acids as inhibitors of mitogen activated protein kinase-activated protein kinase 2 (MK-2). Trujillo J.I. et al. Bioorg Med Chem Lett. 2007, 17, 4657.
- 3. Tetrahydro-beta-carboline-3-carboxylic acids and contaminants of L-tryptophan. Adachi A. et al. J Chromatogr A. 2000, 881, 501.

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