
Product Data Sheet

Product Name: Bullatine A
Cat. No.: GC35567

Chemical Properties

Cas. No. 1354-84-3

SMILES [Bullatine A]

Formula $C_{22}H_{33}NO_2$ M.Wt 343.5

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Bullatine A (BLA), a diterpenoid alkaloid of the genus *Aconitum*, possesses anti-rheumatic, anti-inflammatory and anti-nociceptive effects. Bullatine A (BLA) is a potent P2X7 antagonist, inhibits ATP-induced cell death/apoptosis and P2X receptor-mediated inflammatory responses[1]. Bullatine A attenuates pain hypersensitivity, regardless of the pain models employed[2].

[1]. Li J, et al. Bullatine A, a diterpenoid alkaloid of the genus *Aconitum*, could attenuate ATP-induced BV-2 microglia death/apoptosis via P2X receptor pathways. *Brain Res Bull.* 2013 Aug;97:81-5. [2]. Huang Q, et al. Bullatine A stimulates spinal microglial dynorphin A expression to produce anti-hypersensitivity in a variety of rat pain models. *J Neuroinflammation.* 2016 Aug 30;13(1):214.

Caution: Product has not been fully validated for medical applications. For research use only.

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