

Product Data Sheet

Product Name: 9-Methoxycanthin-6-one

Cat. No.: GC39308

Chemical Properties

Cas. No. 74991-91-6

SMILES O=C1N2C3=C(N=CC=C3C4=C2C=C(OC)C=C4)C=C1

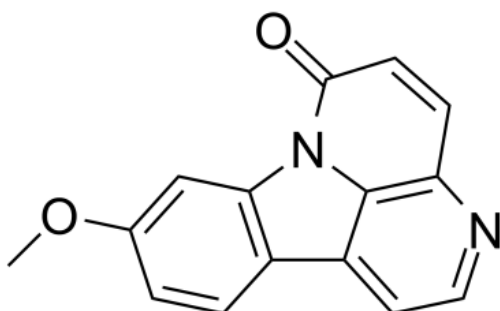
Formula $C_{15}H_{10}N_2O_2$ M.Wt 250.25

Solubility DMSO: 12.5 mg/mL (49.95 mM) 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

9-Methoxycanthin-6-one, a canthin-6-one alkaloid, is present in intact plant parts and in callus tissues of different explants. 9-Methoxycanthin-6-one shows anti-tumor activity[1][2].

[1]. Maziah M, et al. The Production of 9-methoxycanthin-6-one from Callus Cultures of (Eurycoma longifolia Jack) Tongkat Ali. Methods Mol Biol. 2009;547:359-69. [2]. Tripetch Kanchanapoom, et al. Canthin-6-one and b-carboline alkaloids from Eurycoma harmandiana. Phytochemistry 56 (2001) 383-386.

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

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