

Product Data Sheet

Product Name: Isofebrifugine

Cat. No.: GC39065

Chemical Properties

Cas. No. 32434-44-9

SMILES O=C1N(C[C@](O2)(O)C[C@@]3([H])[C@]2([H])CCCN3)C=NC4=C1C=CC=C4

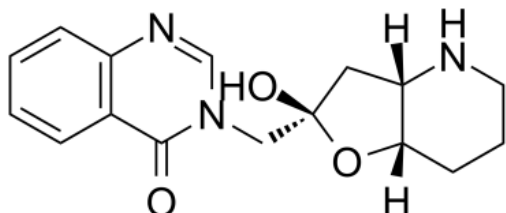
Formula $C_{16}H_{19}N_3O_3$ M.Wt 301.34

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

Isofebrifugine, isolated from a Chinese medicinal plant, Chang Shan (*Dichroa febrifuga*), is a natural

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

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quinazolinone alkaloid with important physiological activities and good pharmacological effects. Antimalarial effect[1].

[1]. Kobayashi S, et al. Catalytic Asymmetric Synthesis of Antimalarial Alkaloids Febrifugine and Isofebrifugine and Their Biological Activity. J Org Chem. 1999 Sep 3;64(18):6833-6841.

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