
Product Data Sheet

Product Name: MF 5137
Cat. No.: GC32382

Chemical Properties

Cas. No. 148927-23-5

SMILES O=C(C1=CN(C2CC2)C3=C(C=C(N)C(N4CC5=C(C=CC=C5)CC4)=C3C)C1=O)O

Formula $C_{23}H_{23}N_3O_3$ M.Wt 389.45

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

MF 5137 is a potent antibacterial agent.

MF 5137 (Compound 2) is rapidly photodegraded upon UVA irradiation, yielding a toxic photoproduct. MF 5137 rapidly decreases the emission of the protein by about 80% after irradiation for 15 min. This effect is markedly reduced in anaerobic conditions[1].

[1]. Viola G, et al. 6-Aminoquinolones: photostability, cellular distribution and phototoxicity. Toxicol In Vitro. 2004 Oct;18(5):581-92.

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

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