

Product Data Sheet

Product Name: EBP-IN-1

Cat. No.: GC73989

Chemical Properties

Cas. No.

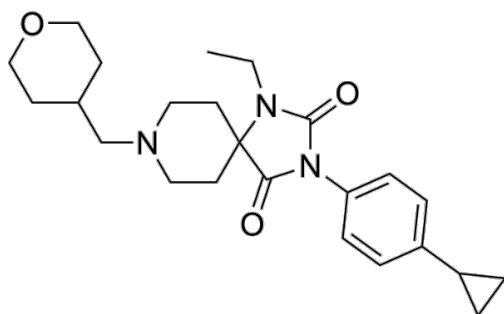
Formula $C_{24}H_{33}N_3O_3$ M.Wt 411.54

Solubility DMSO : 100 mg/mL (242.99 mM; Storage -20°C
Need ultrasonic)

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

EBP-IN-1 (compound 11) is an inhibitor of emopamil-binding protein (EBP), a sterol isomerase in the cholesterol biosynthetic pathway. EBP-IN-1 has a long half-life in rodents and has good metabolic turnover and brain penetration properties. EBP-IN-1 enhances oligodendrocyte formation in human cortical organoids.

References:

[1]. Dorel R, et al. Discovery and Optimization of Selective Brain-Penetrant EBP Inhibitors that

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

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Enhance Oligodendrocyte Formation. J Med Chem. 2024 Mar 12.

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