
Product Data Sheet

Product Name: HS80
Cat. No.: GC33346

Chemical Properties

Cas. No. 2138838-57-8

SMILES CC1=C(C)SC2=NC=NC(N[C@H]3CCN(CC4=CC=CC=C4)C3)=C21

Formula C₁₉H₂₂N₄S M.Wt 338.47

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

HS-80 is an enantiomer of Fasnall, which is a selective fatty acid synthase (FASN) inhibitor. HS-80 is able to inhibit the incorporation of tritiated acetate into lipids with an IC₅₀ of 7.13 μM.

Fasnall, a thiophenopyrimidine selectively targeting FASN through its co-factor binding sites. Fasnall has anti-proliferative activity and induces apoptosis in breast cancer cells[1].

[1]. Alwarawrah Y, et al. Fasnall, a Selective FASN Inhibitor, Shows Potent Anti-tumor Activity in the MMTV-Neu Model of HER2(+) Breast Cancer. Cell Chem Biol. 2016 Jun 23;23(6):678-88.

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

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