

Product Data Sheet

Product Name: 1G244
Cat. No.: GC39296

Chemical Properties

Cas. No. 847928-32-9

SMILES O=C(N1CC2=C(C=CC=C2)C1)[C@@H](N)CC(N3CCN(C(C4=CC=C(F)C=C4)C5=CC=C(F)C=C5)CC3)=O

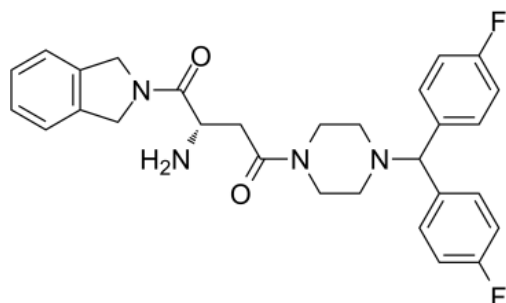
Formula $C_{29}H_{30}F_2N_4O_2$ M.Wt 504.57

Solubility DMSO: 250 mg/mL (495.47 mM) Storage 4°C, away from moisture and light

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

1G244 is a potent DPP8/9 inhibitor with IC₅₀s of 12 nM and 84 nM, respectively. 1G244 does not inhibit DPPIV and DPPII. 1G244 induces apoptosis in multiple myeloma cells and has anti-myeloma

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

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effects[1][2].

[1]. Sato T, et al. DPP8 is a novel therapeutic target for multiple myeloma. Sci Rep. 2019 Dec 2;9(1):18094. [2]. Leen Heirbaut, et al. Probing for improved selectivity with dipeptidederived inhibitors of dipeptidyl peptidases 8 and 9: the impact of P1-variation. MedChemComm. 2016, 7.

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