

Product Data Sheet

Product Name: UNC1079

Cat. No.: GC19367

Chemical Properties

Cas. No. 1418741-86-2

SMILES O=C(N1CCC(N2CCCCC2)CC1)C3=CC=C(C(N4CCC(N5CCCCC5)CC4)=O)C=C3

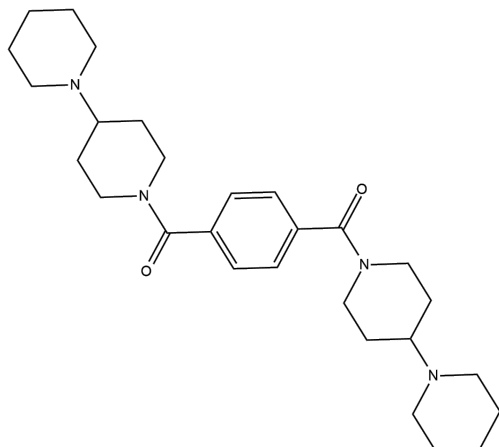
Formula $C_{28}H_{42}N_4O_2$ M.Wt 466.66

Solubility Ethanol: 1 mg/ml 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

UNC1079 is the piperidine analog of UNC1021, as a structurally similar but significantly less potent inhibitor for use as a negative control in cellular studies. Target: L3MBTL3. The low anticipated affinity of UNC1079 was confirmed, as it demonstrated an activity versus L3MBTL3 of > 10 μM by

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

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AlphaScreen, which is >1000-fold weaker than UNC1215. UNC1079 also displays weak binding by ITC.

References:

[1]. James LI, et al. Discovery of a chemical probe for the L3MBTL3 methyllysine reader domain. Nat Chem Biol. 2013 Mar;9(3):184-91.

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