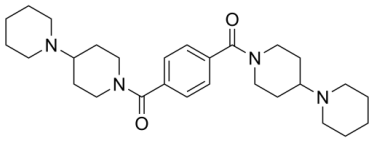
Data Sheet

Product Name:	UNC1079
Cat. No.:	CS-5532
CAS No.:	1418741-86-2
Molecular Formula:	$C_{28}H_{42}N_4O_2$
Molecular Weight:	466.66
Target:	Others
Pathway:	Others
Solubility:	DMSO : 2.22 mg/mL (ultrasonic;warming;heat to 60°C)



BIOLOGICAL ACTIVITY:

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 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.

CAIndexNames:

Methanone, 1,1'-(1,4-phenylene)bis[1-[1,4'-bipiperidin]-1'-yl-

SMILES:

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

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

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