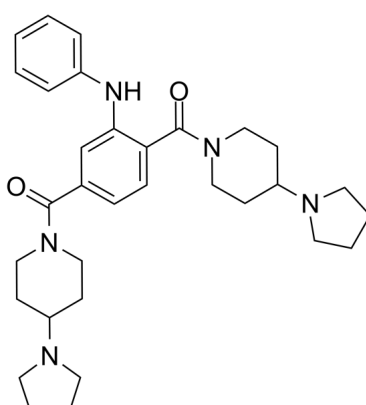


Certificate of Analysis

Catalog Number	BP10482
Product Name	UNC1215

Physical and Chemical Properties

CAS No.	1415800-43-9
Chemical Formula	C ₃₂ H ₄₃ N ₅ O ₂
Molecular Weight	529.729
Solubility	H ₂ O: <1 mg/mL DMSO: 93 mg/mL (175.6 mM); Ethanol: 93 mg/mL (175.6 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <p>The chemical structure of UNC1215 is a symmetrical molecule. It features a central benzene ring with an amide group (-NH-) at the top position. The two ortho positions of this benzene ring are connected to two identical side chains. Each side chain consists of a carbonyl group (-C(=O)-) attached to a piperidine ring. The piperidine ring is further substituted with a pyrrolidine ring at the 4-position.</p>

Product Information

Description	UNC1215, an effective and specific MBT (malignant brain tumor) antagonist, binds L3MBTL3 (IC ₅₀ /K _d : 40/120 nM). The selectivity of UNC1215 for L3MBTL3 is 50-fold higher versus other members of the human MBT family.
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Targets&IC50	L3MBTL3: 120 nM(Kd), L3MBTL3: 40 nM
In vitro	CellTiter-Glo luminescent cell viability assay(Only for Reference)

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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