

AA26-9, inhibitor

AA26-9

CATALOG #
AAA14583

PRODUCT SYNONYMS

AA26-9; inhibitor

PRODUCT SPECIFICATIONS

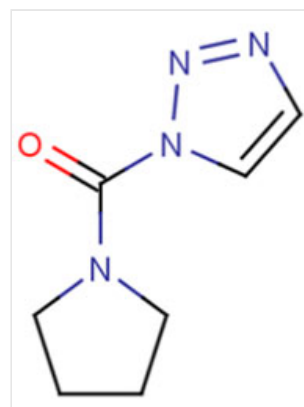
Purity/Purification	100.0%
CAS Number	1312782-34-5
Formula	C7H11N4O
¹ H NMR Spectrum	Consistent with strcture
HPLC	Consistent with structure
Conclusion	The test result is consistent with sturcture
Solubility	DMSO: 10 mM (< 1 mg/ml refers to the product slightly soluble or insoluble)
Targets (IC50)	Seine hydrolase
In vitro Activity	AA26-9 inhibits enzymes originated from diverse functional subclasses of serine hydrolases, including peptidases (APEH, CTSA, PRCP), thioesterases (LYPLA1/2), lipases/phospholipases (AADACL1, ESD, ABHD6, PAFAH2, FAAH, LYPLA3), and uncharacterized enzymes (ABHD11, ABHD13, BAT5). AA26-9 inhibits 1/3 of the over 40 serine hydrolase found in T-cells.
Cell Research	AA26-9 is prepared in DMSO. Cells are cultured with 20 ?M inhibitor AA26-9 or DMSO as a control for 4 h, lysed, separated into soluble and analyzed by competitive gel-based ABPP[1].
Preparation and Storage	Store at 0-4°C short term (days to weeks), or -20°C for long term (months)

IMAGES

Preparing Stock Solutions			
	1mg	5mg	10mg
1 mM	6.018 mL	30.088 mL	60.176 mL
5 mM	1.204 mL	6.018 mL	12.035 mL
10 mM	0.602 mL	3.009 mL	6.018 mL
50 mM	0.12 mL	0.602 mL	1.204 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: -80 °C for 6 months; -20 °C for 1 month. Please use it as soon as possible.

Application Data



Structure

ADDITIONAL INFORMATION

Related Product Information for AA26-9, inhibitor	AA26-9 is an effective and broad-spectrum inhibitor of serine hydrolase.
References	1. Adibekian A., et al. Click-generated triazole ureas as ultrapotent in vivo-active serine hydrolase inhibitors. Nat Chem Biol. 2011 May 15; 7 (7):469-78.

NCBI AND UNIPROT INFORMATION

Molecular Weight	166.18
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/inhibitor/aa26-9/14583>