

Data Sheet

Product Information

Catalog Number	BP12546
Product Name	FMK 9a
Description	FMK 9a is an irreversible inhibitor of ATG4B with IC50 values of 80 and 73 nM in the TR-FRET and cellular-based LRA assays.
Targets&IC50	autophagin-1, FRET assay:80 nM, autophagin-1, LRA assay:73 nM
In vitro	FMK 9a forms a covalent bond with the more reactive thiol group of Cys74 located at the catalytic site of ATG4B thereby inactivating ATG4B proteolytic activity.
In vivo	FMK 9a shows moderate solubility and high liver microsome clearances for human and mice of 13.9 and 70 mL/kg/min.
CAS No.	1955550-51-2
Chemical Formula	C23H21FN2O3
Molecular Weight	392.43
Solubility	DMSO: 95 mg/mL (242.09 mM), Need ultrasonic
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

v2 Revision on 12/28/2022

Purdue Bioscience Inc.