



BIA 10-2474

Cat. No.:	OB0225LY-0434
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, HPLC, and LC-MS.
Size:	5 mg; 10 mg; 25 mg; 50 mg; 100 mg; 200 mg

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	BIA 10-2474 is a selective diacylglycerol lipase inhibitor.
Synonym	BIA10-2474; 1233855-46-3; 3-(1-(Cyclohexyl(methyl)carbamoyl)-1H-imidazol-4-yl)pyridine 1-oxide; 1H-Imidazole-1-carboxamide, N-cyclohexyl-N-methyl-4-(1-oxido-3-pyridinyl)-; N-Cyclohexyl-N-methyl-4-(1-oxidopyridin-1-ium-3-yl)imidazole-1-carboxamide
CAS No.	1233855-46-3
Compound CID	46831476
Formula	C ₁₆ H ₂₀ N ₄ O ₂
Formula Weight	300.36

Specification

IUPAC Name	N-Cyclohexyl-N-methyl-4-(1-oxidopyridin-1-ium-3-yl)imidazole-1-carboxamide
InChI	InChI=1S/C16H20N4O2/c1-18(14-7-3-2-4-8-14)16(21)19-11-15(17-12-19)13-6-5-9-20(22)10-13/h5-6,9-12,14H,2-4,7-8H2,1H3
InChI Key	DOWVMJFBDGWVML-UHFFFAOYSA-N
SMILES string	CN(C1CCCC1)C(=O)N2C=C(N=C2)C3=C[N+](=CC=C3)[O-]
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	BIA 10-2474 can be used in studies of neuroprotective mechanisms or play an important role in models of neurodegenerative diseases.

Library Information



Targets	Metabolic enzymes
Receptors	FAAH
Pathways	Neuronal signaling; Metabolism; Autophagy
Plate Number	AOCL-6
Plate Location	e11
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10 mM DMSO
DMSO Max Solubility	4 mg/mL; 13.3 mM
ALogP	1.719
HBA_Count	2
HBD_Count	0
Rotatable Bond	2