CD BioGlyco
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
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Product Information

Lipase inhibitor, JZL184, Purity ≥98%

Cat. No.: X24-09-YM393

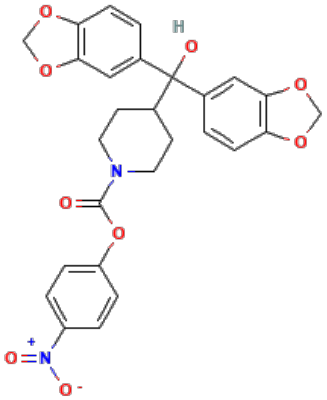
Size: 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 1101854-58-3

Compound CID: 25021165

Synonym: 1101854-58-3; JZL-184; JZL 184; (4-Nitrophenyl) 4-[bis(1,3-benzodioxol-5-yl)-hydroxymethyl]piperidine-1-carboxylate; Lipase inhibitor

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



Product Information

Description	JZL184, soluble in DMSO and insoluble in water and ethanol, is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting lipase. The molecular weight of the compound is 520.49, and its molecular formula is $C_{27}H_{24}N_2O_9$.
Molecular Weight	520.49
Molecular Formula	$C_{27}H_{24}N_2O_9$
IUPAC Name	(4-Nitrophenyl) 4-[bis(1,3-benzodioxol-5-yl)-hydroxymethyl]piperidine-1-carboxylate
InChI	InChI=1S/C27H24N2O9/c30-26(38-21-5-3-20(4-6-21)29(32)33)28-11-9-17(10-12-28)27(31,18-1-7-22-24(13-18)36-15-34-22)19-2-8-23-25(14-19)37-16-35-23/h1-8,13-14,17,31H,9-12,15-16H2
InChI Key	SEGYOKHGGFKMCX-UHFFFAOYSA-N
Canonical SMILES	C1CN(CCC1C(C2=CC3=C(C=C2)OCO3)(C4=CC5=C(C=C4)OCO5)O)C(=O)OC6=CC=C(C=C6)[N+](=O)[O-]
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	*In vitro*: DMSO: 86 mg/mL (165.22 mM); Water: insoluble; Ethanol: insoluble; *In vivo*: 5% DMSO + 40% PEG300 + 5% Tween80 + ddH_2O, 2.3 mg/mL
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	JZL184 plays a key role in enhancing endocannabinoid signaling.

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Storage	Store at -20ºC, and keep desiccated.