JZL-184

Monoacylglycerol lipase inhibitor

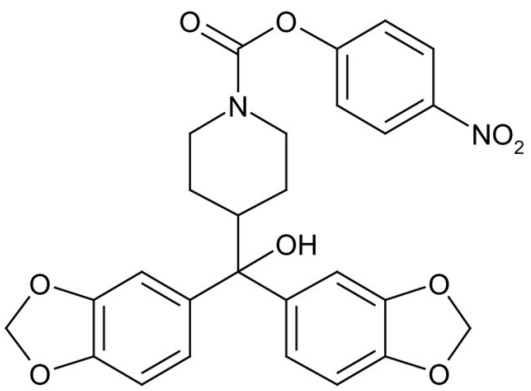
Potent, selective and irreversible inhibitor of MAG lipase (IC_{50}=8nM vs 4μM for FAAH). JZL-184-treated mice displayed a number of CB1-dependent behavioral effects including analgesia, hypothermia and hypomotility as well as increased levels of 2-arachidonoylglycerol in the brain (approx. 8-fold, with no effect on anandamide levels). JZL-184 produces a rapid and sustained blockade of brain 2-AG hydrolase activity in mice. It blocks neuropathic pain and enhances retrograde endocannabinoid signaling.

Citations: 3 View Online »

Ordering Information Order Online »

BML-EI391-0010	10mg
BML-EI391-0050	50mg

Manuals, SDS & CofA View Online »


O
O
N
NO2
OH
O
O
O
O

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	Ambient
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	4-Nitrophenyl-4-(dibenzo[d][1,3]dioxol-5-yl(hydroxy)methyl)piperidine-1-carboxylate
Appearance	Off-white solid.
CAS	1101854-58-3
Couple Target	Monoacylglycerol lipase
Couple Type	Inhibitor
Formula	$C_{27}H_{24}N_2O_9$
Identity	Determined by NMR.
MW	520.5
Purity	≥98% (TLC)
Solubility	Soluble in DMSO (10mg/ml).
Source	Synthetic.

Last modified: May 29, 2024

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

For local distributors and detailed product information visit us online: enzo.com All product names, logos, and brands are the property of their respective owners.