iGP-1

Mitochondrial GPDH inhibitor

A potent and cell permeable inhibitor of the mitochondrial glycerol-3-phosphate dehydrogenase (mGPDH), which is selective over the cytosolic enzyme. It does not block pyruvate uptake into cells or mitochondria and has no direct effect on glycolysis in synaptosomes. This novel inhibitor is a unique tool which may be used to investigate the role of glycerol-3-phosphate metabolism in isolated and intact systems.

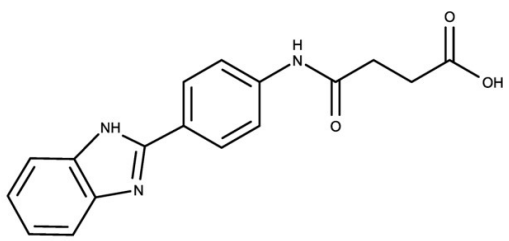
Ordering Information

Order Online »

ENZ-CHM477-0025	25mg

Manuals, SDS & CofA

View Online »


O
H
N
OH
O
NH
N

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	N-[4-(1H-Benzoimidazol-2-yl)-phenyl]-succinamic acid
Appearance	Beige solid.
CAS	27031-00-1
Couple Target	Glycerol-3-phosphate dehydrogenase, mitochondrial
Couple Type	Inhibitor
Formula	$C_{17}H_{15}N_3O_3$
Identity	Determined by NMR.
MW	309.32
Purity	≥98% (TLC)
Solubility	Soluble in DMSO (50 mg/ml).

Last modified: February 27, 2025

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.