DL-threo-1-Phenyl-2-decanoylamino-3-morpholino-1-propanol

Glucosylceramide synthetase inhibitor

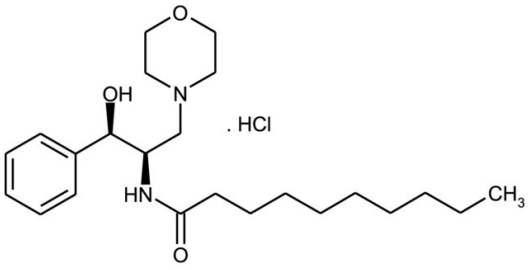
Blocks glucosylation of ceramide by inhibiting UDP-glucose:ceramide glucosyltransferase (glucosylceramide synthetase). Inhibits the expression of cell surface glycolipid antigens and inhibits the growth of cultured rabbit skin fibroblasts. Possesses antitumor activity and inhibits Lewis lung carcinoma cell metastasis *in vitro*. Useful tool for studying the effects of cellular glycosphingolipid depletion. Enhances the apoptotic response to ionizing radiation by enhancing the ceramide signal.

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Ordering Information Order Online »

BML-SL210-0010	10mg
BML-SL210-0050	50mg

Manuals, SDS & CofA View Online »


O
N
OH
. HCl
HN
CH3
O

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for up to 1 year after receipt when stored at -20°C. Solutions are stable for up to 3 months when stored at -20°C.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	D,L-threo-PDMP . hydrochloride, DL-PDMP
Appearance	White to off-white solid.
CAS	80938-69-8
Couple Target	Glucosylceramide synthetase
Couple Type	Inhibitor
Formula	$C_{23}H_{38}N_2O_3$. HCl
MW	390.6 . 36.5
Purity	≥98% (TLC)
Solubility	25mg/ml soluble in 100% ethanol, DMSO or water (50°C, vortex or sonicate).
Technical Info / Product Notes	Note: Product is not sterile.

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