

Product Data Sheet

PDMP hydrochloride

 Cat. No.:
 HY-116392D

 CAS No.:
 73257-80-4

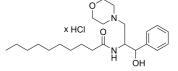
 Molecular Formula:
 $C_{23}H_{39}ClN_2O_3$

Target: Glucosylceramide Synthase (GCS); Apoptosis

Pathway: Neuronal Signaling; Apoptosis

Storage: -20°C, sealed storage, away from moisture

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro DMSO: 30 mg/mL (Need ultrasonic and warming)

BIOLOGICAL ACTIVITY

Description PDMP hydrochloride is a glucosylceramide synthase (GCS) inhibitor. PDMP hydrochloride induces apoptosis in K562/A02

cells. PDMP hydrochloride can be used in cancer (such as leukemia) research^{[1][2]}.

REFERENCES

[1]. Casson L, et al. Inhibition of ceramide metabolism sensitizes human leukemia cells to inhibition of BCL2-like proteins. PLoS One. 2013;8(1):e54525.

[2]. Yin L, et al. Effect of PDMP, a glucosylceramide synthase inhibitor, on reversion of daunorubicin resistance in human leukemia cell line K562/A02. Zhongguo Shi Yan Xue Ye Xue Za Zhi. 2010 Feb;18(1):79-84.

Caution: Product has not been fully validated for medical applications. For research use only.

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Inhibitors