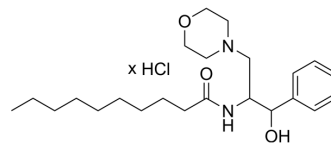


## PDMP hydrochloride

Cat. No.:	HY-116392D
CAS No.:	73257-80-4
Molecular Formula:	C <sub>23</sub> H <sub>39</sub> ClN <sub>2</sub> O <sub>3</sub>
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)
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### 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 <sup>[1][2]</sup> .
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### 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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