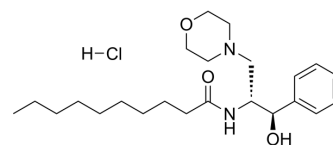


D-threo-PDMP hydrochloride

Cat. No.:	HY-116392F
CAS No.:	139889-62-6
Molecular Formula:	C ₂₃ H ₃₉ ClN ₂ O ₃
Molecular Weight:	427.02
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

D-threo-PDMP hydrochloride is a glucosylceramide (GlcCer) synthase inhibitor that inhibits glucosylceramide (GlcCer) and lactosylceramide (LacCer) levels in B16 melanoma cells. D-threo-PDMP hydrochloride lacks reactivity to the other two surface antigens anti-melanoma monoclonal antibodies M562 and M622 and the major histocompatibility antigen anti-H-2KbDb monoclonal antibody, so it is specific for B16 melanoma sex^[1].

REFERENCES

[1]. Inokuchi J, et al. Effects of D-threo-PDMP, an inhibitor of glucosylceramide synthetase, on expression of cell surface glycolipid antigen and binding to adhesive proteins by B16 melanoma cells. *J Cell Physiol.* 1989 Dec;141(3):573-83.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA