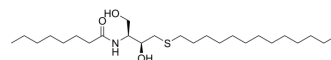


XM462

Cat. No.:	HY-135818
CAS No.:	1045857-53-1
Molecular Formula:	C ₂₅ H ₅₁ NO ₃ S
Molecular Weight:	445.74
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	XM462 is a dihydroceramide desaturase inhibitor. XM462 produced a mixed-type inhibition ($K_i=2 \mu\text{M}$) in vitro. XM462 has dihydroceramide desaturase inhibition both in vitro and in cultured cells with IC_{50} values of 8.2 and 0.78 μM , respectively. XM462 can be used for the research of tumor ^{[1][2]} .
IC_{50} & Target	IC_{50} : 8.2 μM (dihydroceramide desaturase in vitro); 0.78 μM (dihydroceramide desaturase in cultured cells) ^[1] .

REFERENCES

- [1]. Munoz-Olaya JM, et al. Synthesis and biological activity of a novel inhibitor of dihydroceramide desaturase. ChemMedChem. 2008 Jun;3(6):946-53.
- [2]. Camacho L, et al. 3-Deoxy-3,4-dehydro analogs of XM462. Preparation and activity on sphingolipid metabolism and cell fate. Bioorg Med Chem. 2012 May 15;20(10):3173-9.

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

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