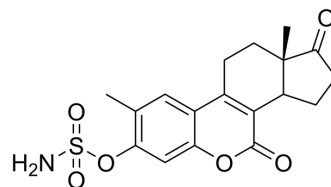


Steroid sulfatase-IN-5

Cat. No.:	HY-155233
Molecular Formula:	C ₁₈ H ₁₉ NO ₆ S
Molecular Weight:	377.41
Target:	Steroid Sulfatase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Steroid sulfatase-IN-5 (compound 10b) is a steroid sulfatase (STS) inhibitor (IC ₅₀ : 0.32 nM). Steroid sulfatase-IN-5 inhibits T-47D cell proliferation with an IC ₅₀ of 35.7 μM. Steroid sulfatase-IN-5 can be used for research of breast cancer ^[1] .
IC ₅₀ & Target	0.32 nM (steroid sulfatase) ^[1]

REFERENCES

[1]. Chiu PF, et al. Design, structure-activity relationships, and enzyme kinetic studies of tricyclic and tetracyclic coumarin-based sulfamates as steroid sulfatase inhibitors. *Bioorg Chem.* 2023 Sep;138:106581.

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

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