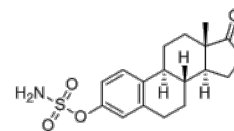


Product Name : Estrone sulfamate
Cat. No. : PC-61435
CAS No. : 148672-09-7
Molecular Formula : C₁₈H₂₃NO₄S
Molecular Weight : 349.44
Target : Steroid Sulfatase (STS)
Solubility : 10 mM in DMSO



Biological Activity

Estrone sulfamate (Estrone 3-O-Sulfamate, EMATE) is a potent, irreversible, and orally active inhibitor of **steroid sulfatase** (STS) with IC₅₀ of 65 pM in intact MCF-7 cells.

Estrone sulfamate inhibits tissue E1-STs activity in rats by more than 95% at 10 mg/kg.

Estrone sulfamate exhibits potential applications in the treatment of ER-positive breast cancer and certain other conditions.

References

Purohit A, et al. *J Steroid Biochem Mol Biol.* 1994 Jul;50(1-2):101-4.

Woo LW, et al. *J Med Chem.* 1998 Mar 26;41(7):1068-83.

Woo LL, et al. *Chem Biol.* 2000 Oct;7(10):773-91.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com