

Steroid sulfatase/17 $\beta$ -HSD1-IN-5

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Steroid sulfatase/17 $\beta$ -HSD1-IN-5 is an irreversible inhibitor of steroid sulfatase (STS) and a reversible, selective inhibitor of 17 $\beta$ -hydroxysteroid dehydrogenase type 1 (17 $\beta$ -HSD1), with IC50 values of 43 nM for 17 $\beta$ -HSD1 and 6.2 $\mu$ M for 17 $\beta$ -HSD2. This compound is utilized in research related to metabolic diseases, particularly endometriosis [1].
Targets(IC50)	Others
In vitro	Steroid sulfatase/17 $\beta$ -HSD1-IN-5 (Compound 5) does not affect cell viability at concentrations up to 31 $\mu$ M in HEK293 cells and 23 $\mu$ M in HepG2 cells when administered at 0-40 $\mu$ M for 48-72 hours [1].
In vivo	When administered as a single subcutaneous injection at 50 mg/kg, Steroid sulfatase/17 $\beta$ -HSD1-IN-5 (Compound 5) exhibited a half-life (T 1/2) of 3.82 hours and an observed maximum plasma concentration (C max obs) of 2824 nM [1].

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