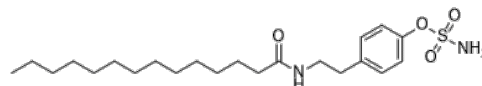


**Product Name** : Steroid sulfatase inhibitor DU-14  
**Cat. No.** : PC-23217  
**CAS No.** : 186303-55-9  
**Molecular Formula** : C<sub>22</sub>H<sub>38</sub>N<sub>2</sub>O<sub>4</sub>S  
**Molecular Weight** : 426.62  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

Steroid sulfatase inhibitor DU-14 is a highly potent steroid sulfatase inhibitor with IC<sub>50</sub> of 55.8 nM, inhibits the MCF-7 cell proliferation with IC<sub>50</sub> of 38.7 nM.

DU-14 shows neuroprotective effects against neurotoxic A $\beta$ , alleviates A $\beta$ -induced impairments in spatial memory and synaptic plasticity.

DU-14 can potentiate the blockade of the amnesic effects of scopolamine by exogenously administered DHEAS.

DU-14 enhanced the reversal of amnesia by DHEAS.

## References

Li PK, et al. Life Sci. 1997;60(3):PL45-51.

Johnson DA, et al. Life Sci. 1997;61(24):PL 355-9.

Selcer KW, et al. Cancer Res. 1997 Feb 15;57(4):702-7.

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

E-mail: tech@probechem.com