



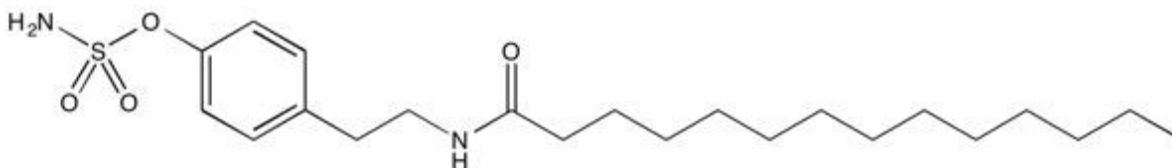
**Catalog # 10-1187**

**DU-14**

CAS# 186303-55-9

(p-O-sulfamoyl)-N-tetradecanoyl tyramine

Lot # X12902



Inhibits steroid sulfatase (IC<sub>50</sub>=ca. 60 nM). Enhances learning and spatial memory in rats<sup>1</sup>. Inhibits proliferation of human MCF-7 breast cancer cells<sup>2</sup>.

- 1) Johnson *et al.* (2000), *The effect of steroid sulfatase inhibition on learning and spatial memory*; Brain Res., **865** 286
- 2) Selcer *et al.* (1997), *Inhibition of estrone sulfatase and proliferation of human breast cancer cells by nonsteroidal (p-O-sulfamoyl)-N-alkanoyl tyramines*; Cancer Res., **57** 702

#### **PHYSICAL DATA**

Molecular Weight:	426.62
Molecular Formula:	C <sub>22</sub> H <sub>38</sub> N <sub>2</sub> O <sub>4</sub> S
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/ml)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied at room temperature for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 2 months.

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**