

SA4503, Potent and selective sigma 1 agonist

Catalog	Unit
TBI4219-5MG	5 mg
TBI4219-25MG	25 mg

Product Details

Formal Name: 1-(3,4-Dimethoxyphenethyl)-4-(3-phenylpropyl)piperazine dihydrochloride;

Alternate Names: Cutamesine

Molecular Formula: C₂₃H₃₂N₂O₂·2HCl

Formula Weight: 441.43

CAS Number: 165377-44-6

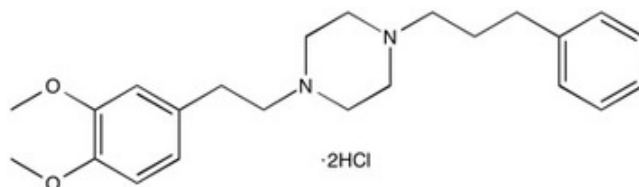
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 5 mg/ml) or in Water (up to at least 25 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Potent and selective sigma 1 agonist

Functions

SA4503 is a potent and selective sigma 1 agonist (σ_1 IC₅₀ = 17.4 nM, σ_2 IC₅₀ = 1784 nM). It has been investigated as a cognition enhancer, antidepressant, anti-addiction agent⁶, and neuroprotectant.

Application Procedures

First dissolved in DMSO (up to 5 mg/ml) or in Water (up to at least 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20° for up to 1 month.

For research use only.