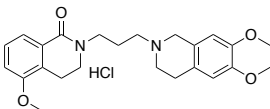


DATA SHEET

Product overview

Name	F390
Short description	Potent and selective σ_2 receptor masking agent
Biological description	It shows high affinity and selectivity for σ_2 over σ_1 receptors ($K_i = 4.24$ nM and $K_i = 2435$ nM, respectively in radioligand binding assay).
Biological action	Modulation of σ_2 receptor by orthosteric binding
Quantity	0.4 mg
Purity	> 95%

Properties

Molecular Weight	446.97 as hydrochloride
Molecular structure	
Source	Synthetic
Appearance	white solid
Formulation	crystallized solid
Pharmacological validation	This compound has been validated as σ_2 masking agent in several assays, such as fluorescence-based assays.

Storing and Using product

Storage instructions	-20 °C (protect from light)
Solubility overview	Soluble in DMSO, EtOH and MeOH
Stock solution	Add 89 μ L of assay buffer containing 1% of DMSO to obtain a 10^{-2} M stock solution.
Handling	After thawing individual aliquots for use, we recommend briefly sonicating the sample to ensure it is fully dissolved and the solution is homogeneous. We do not recommend using the product after subjecting it to repetitive freeze-thaw cycles.

Shipping conditions	The product, as a solid, is stable at ambient temperature for periods of up to 24-36 months and does not require shipping on ice/dry ice.
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Publications

Eur. J. Med. Chem. 2013; 69:920–930. doi: 10.1016/j.ejmech.2013.09.018