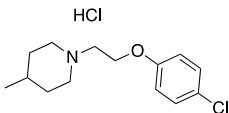


DATA SHEET

Product overview

Name	CELT-116 (cat n. σ R-MASK-1)
Short description	Potent and selective σ_1 receptor masking agent.
Biological description	It shows high affinity and selectivity for σ_1 over σ_2 receptors ($K_i = 0.86$ nM and $K_i = 239$ nM, respectively in radioligand binding assay).
Biological action	Modulation of σ_1 receptor by orthosteric binding.
Quantity	0.3 mg
Purity	> 95%

Properties

Molecular Weight	290.23
Molecular structure	
Source	Synthetic
Appearance	White solid
Formulation	Solid powder
Pharmacological validation	This compound has been validated as σ_1 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.
Stock solution	Add 103 μ L of DMSO to obtain a 10^{-2} M stock solution. We recommend not exceeding 1% of DMSO in the final assay 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. 2022; 228:114038. doi.org/10.1016/j.ejmech.2021.114038.