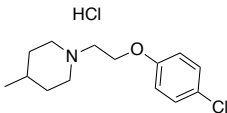


DATA SHEET

Product overview

| | |
|------------------------|---|
| Name | L6 |
| 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 |  <p style="text-align: center;">HCl</p> |
| 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 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. 2022; 228:114038. doi.org/10.1016/j.ejmech.2021.114038.