Product Name: Loreclezole hydrochloride  
Catalog No.: 1295  
Batch No.: 2

CAS Number: 117857-45-1  
IUPAC Name: (Z)-1-[2-Chloro-2-(2,4-dichlorophenyl)ethenyl]-1H-1,2,4-triazole hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{10}H_6Cl_3N_3.HCl \)
Batch Molecular Weight: 311  
Physical Appearance: White solid  
Solubility: DMSO to 5 mM with gentle warming  
Storage: Desiccate at -20°C  
Batch Molecular Structure:

![Batch Molecular Structure Diagram]

2. ANALYTICAL DATA

HPLC: Shows >99.7% purity  
\(^1\)H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis: Carbon Hydrogen Nitrogen  
Theoretical 38.62 2.27 13.5  
Found 38.71 2.16 13.36

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
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Catalog No.: 1295
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Description:
Subtype-selective GABA_A receptor modulator. Acts as a positive allosteric modulator of β2 or β3-subunit containing receptors. Also acts as a negative modulator at a novel regulatory site, enhancing GABA_A receptor sensitization. Inhibits homomeric ρ1 GABA_C receptors.

Physical and Chemical Properties:
Batch Molecular Formula: C_{10}H_8Cl_3N_3.HCl
Batch Molecular Weight: 311
Physical Appearance: White solid

Minimum Purity: >99%

Storage: Desiccate at -20°C

Solubility & Usage Info:
DMSO to 5 mM with gentle warming
ethanol to 5 mM with gentle warming
CAUTION - This product is hygroscopic and we recommend that it is desiccated upon arrival.

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

www.tocris.com