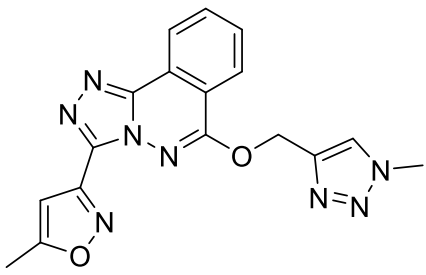


Product data sheet



MedKoo Cat#: 596715 Name: L-822179 CAS: 215874-86-5 Chemical Formula: C ₁₇ H ₁₄ N ₈ O ₂ Exact Mass: 362.124 Molecular Weight: 362.353		
Product supplied as:		Powder
Purity (by HPLC):		≥ 98%
Shipping conditions		Ambient temperature
Storage conditions:		Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.

1. Product description:

L-822179 or α 5IA is a selective inverse agonist for A5 subtype of GABAA receptor with a higher intrinsic activity at the A5 subtype than other drugs. α 5IA enhances cognition in laboratory animals without being proconvulsant or anxiogenic. α 5IA acts as an "alcohol antagonist," markedly reducing the amnesic effect of alcohol and partially attenuating sedation, similar to Ro15-4513, but without the anxiogenic effect. α 5IA offers promise as a tool to study cognitive disorders, memory function, and treatment of alcohol-related disorders.

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under "QC And Documents" section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
TBD	TBD	TBD

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.76 mL	13.80 mL	27.60 mL
5 mM	0.55 mL	2.76 mL	5.52 mL
10 mM	0.28 mL	1.38 mL	2.76 mL
50 mM	0.06 mL	0.28 mL	0.55 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of "Calculator"

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

7. Bioactivity

Biological target:

L-822179 or α 5IA is a selective inverse agonist for A5 subtype of GABAA receptor with a higher intrinsic activity at the A5 subtype than other drugs.

In vitro activity

TBD

In vivo activity

Product data sheet



TBD

Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.