

# Product data sheet



MedKoo Cat#: 326789 Name: Tezampanel CAS#: 154652-83-2 (anhydrous) Chemical Formula: C <sub>13</sub> H <sub>21</sub> N <sub>5</sub> O <sub>2</sub> Exact Mass: 279.1695 Molecular Weight: 279.34	
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:

Tezampanel, also known as LY 293558 and NGX-424, is a competitive antagonist of the AMPA and kainate subtypes of the ionotropic glutamate receptor family, with selectivity for the GluR5 subtype of the kainate receptor.

## 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
To be determined	To be determined	To be determined

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	3.58 mL	17.90 mL	35.80 mL
5 mM	0.72 mL	3.58 mL	7.16 mL
10 mM	0.04 mL	1.79 mL	3.58 mL
50 mM	0.07 mL	0.04 mL	0.72 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

To be determined

In vivo study

To be determined

## 7. Bioactivity

Biological target:

Tezampanel has neuroprotective and anticonvulsant properties, the former of which may, at least in part, occur via blockade of calcium uptake into neurons. It suppresses both the withdrawal symptoms from morphine and other opioids, and the development of tolerance, as well as having antihyperalgesic and analgesic effects in its own right.

In vitro activity

To be determined

In vivo activity

To be determined

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*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.*