

Product data sheet



MedKoo Cat#: 319547 Name: Ibiglustat CAS#: 1401090-53-6 (free base) Chemical Formula: C ₂₀ H ₂₄ FN ₃ O ₂ S Exact Mass: 389.1573 Molecular Weight: 389.49	
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:

Venglustat, also known as Ibiglustat, GZ402671, GZ-452; Genz-682452 and SAR402671, is a potent and selective Glucosylceramide synthase inhibitor and ceramide glucosyltransferase inhibitor. Ibiglustat blocks the formation of glucosylceramide (GL-1), a key intermediate in the synthesis of GL-3. Ibiglustat is potentially useful for treating Fabry disease. Fabry disease is a rare lysosomal storage disorder, which results in abnormal tissue deposits of a particular fatty substance called globotriaosylceramide (GL-3 or Gb3) throughout the body.

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
DMSO	37.5	96.28

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.57 mL	12.84 mL	25.67 mL
5 mM	0.51 mL	2.57 mL	5.13 mL
10 mM	0.26 mL	1.28 mL	2.57 mL
50 mM	0.05 mL	0.26 mL	0.51 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:

Ibiglustat is a selective, allosteric inhibitor of glucosylceramide synthase (GCS) with ability to cross the blood-brain barrier.

In vitro activity

TBD

In vivo activity

TBD

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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.