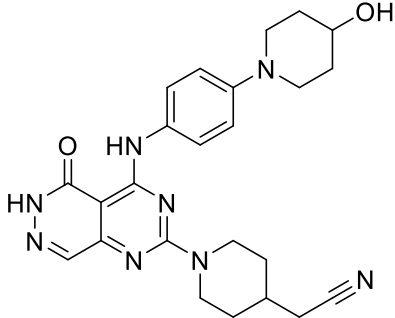


Product data sheet



MedKoo Cat#: 206866 Name: Gusacitinib CAS#: 1425381-60-7 (free base) Chemical Formula: C ₂₄ H ₂₈ N ₈ O ₂ Exact Mass: 460.2335 Molecular Weight: 460.542		
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:

Gusacitinib, also known as ASN-002 and EN-3351, is a potent dual inhibitor of SYK/JAK kinases. ASN002 showed strong antitumor activity in both hematological and solid tumor xenograft models. ASN002 strongly suppressed the SYK and JAK family kinase signaling pathways as measured in pLAT and pSTAT assays, respectively. When profiled in a panel of 178 cell lines, ASN002 showed strong anti-proliferative activity in many lymphoid/leukemia cell lines, including SU-DHL-6, SU-DHL-4, OCI-LY10, H929 and Pfeiffer.

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	100.0	217.14

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.17	10.86	21.71
5 mM	0.43	2.17	4.34
10 mM	0.22	1.09	2.17
50 mM	0.04	0.22	0.43

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:

Gusacitinib (ASN-002) is a potent dual inhibitor of spleen tyrosine kinase (SYK) and janus kinase (JAK) with IC₅₀ values of 5-46 nM.

In vitro activity

TBD

Product data sheet



In vivo activity

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.