# Product data sheet

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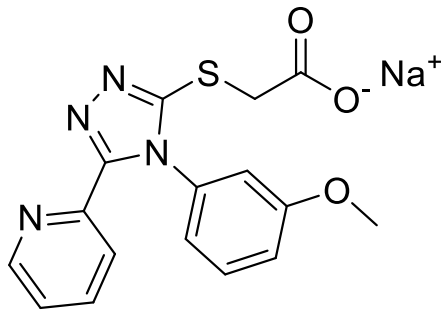
|---|---|
| MedKoo Cat#: 530574<br>Name: GJ-103 sodium<br>CAS: 1459687-96-7 (sodium)<br>Chemical Formula: $C_{16}H_{13}N_4NaO_3S$<br>Molecular Weight: 364.3548 |  |
| Product supplied as: | Powder |
| Purity (by HPLC): | ≥ 98% |
| Shipping conditions | Ambient temperature |
| Storage conditions: | Powder: -20°C 3 years; 4°C 2 years. |
| | In solvent: -80°C 3 months; -20°C 2 weeks. |

**1. Product description:**
GJ103 sodium salt is an active analog of the read-through compound GJ072. Chemical-induced read through of premature stop codons might be exploited as a potential treatment strategy for genetic disorders caused by nonsense mutations.

**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 |
|---|---|---|
| DMF | 30.0 | 82.34 |
| DMSO | 40.0 | 109.78 |
| DMSO:PBS (pH 7.2) (1:2) | 0.33 | 0.91 |

**4. Stock solution preparation table:**

| Concentration / Solvent Volume / Mass | 1 mg | 5 mg | 10 mg |
|---|---|---|---|
| 1 mM | 2.74 mL | 13.72 mL | 26.45 mL |
| 5 mM | 0.55 mL | 2.74 mL | 5.49 mL |
| 10 mM | 0.27 mL | 1.37 mL | 2.74 mL |
| 50 mM | 0.05 mL | 0.27 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:

GJ103 sodium salt is an active analog of the read-through compound GJ072.

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.*