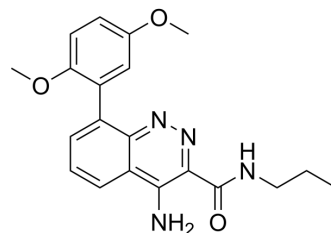


## AZD-6280

|                           |   |       |         |
|---------------------------|---|-------|---------|
| <b>Cat. No.:</b>          | HY-19872  |       |         |
| <b>CAS No.:</b>           | 942436-93-3   |       |         |
| <b>Molecular Formula:</b> | C <sub>20</sub> H <sub>22</sub> N <sub>4</sub> O <sub>3</sub> |       |         |
| <b>Molecular Weight:</b>  | 366.41  |       |         |
| <b>Target:</b>            | GABA Receptor   |       |         |
| <b>Pathway:</b>           | Membrane Transporter/Ion Channel; Neuronal Signaling          |       |         |
| <b>Storage:</b>           | Powder  | -20°C | 3 years |
|                           |   | 4°C   | 2 years |
|                           | In solvent  | -80°C | 2 years |
|                           |   | -20°C | 1 year  |



### SOLVENT & SOLUBILITY

|   |   |                          |              |            |            |
|---|---|--------------------------|--------------|------------|------------|
| <b>In Vitro</b>   | DMSO : 62.5 mg/mL (170.57 mM; Need ultrasonic)  |                          |              |            |            |
|   |   | Solvent<br>Concentration | Mass<br>1 mg | 5 mg       | 10 mg      |
|   | <b>Preparing Stock Solutions</b>  | 1 mM                     | 2.7292 mL    | 13.6459 mL | 27.2918 mL |
|   |   | 5 mM                     | 0.5458 mL    | 2.7292 mL  | 5.4584 mL  |
| 10 mM   |   | 0.2729 mL                | 1.3646 mL    | 2.7292 mL  |            |
| Please refer to the solubility information to select the appropriate solvent. |   |                          |              |            |            |
| <b>In Vivo</b>  | 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline<br>Solubility: ≥ 2.08 mg/mL (5.68 mM); Clear solution |                          |              |            |            |

### BIOLOGICAL ACTIVITY

|                    |   |
|--------------------|---|
| <b>Description</b> | AZD-6280 is a selective GABA <sub>A</sub> (α <sub>2</sub> /3) receptor modulator, used for treatment of generalized anxiety disorder. |
|--------------------|---|

### REFERENCES

[1]. Te Beek ET, et al. The effects of the nonselective benzodiazepine lorazepam and the α<sub>2</sub>/α<sub>3</sub> subunit-selective GABA<sub>A</sub> receptor modulators AZD7325 and AZD6280 on plasma prolactin levels. Clin Pharmacol Drug Dev. 2015 Mar;4(2):149-54. doi: 10.1002/cpdd.134. Epub 2014 Aug 28.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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