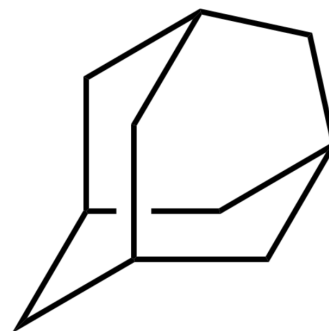


Adamantane

| | | | |
|--------------------|---------------------------------|-------|----------|
| Cat. No.: | HY-N2427 | | |
| CAS No.: | 281-23-2 | | |
| Molecular Formula: | C ₁₀ H ₁₆ | | |
| Molecular Weight: | 136.23 | | |
| Target: | Others | | |
| Pathway: | Others | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 2 mg/mL (14.68 mM; ultrasonic and warming and heat to 60°C)

| | Solvent Concentration | Mass | 1 mg | 5 mg | 10 mg |
|------------------------------|--------------------------|------|-----------|------------|------------|
| | | | | | |
| Preparing Stock Solutions | 1 mM | | 7.3405 mL | 36.7026 mL | 73.4053 mL |
| | 5 mM | | 1.4681 mL | 7.3405 mL | 14.6811 mL |
| | 10 mM | | 0.7341 mL | 3.6703 mL | 7.3405 mL |

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Adamantane, a polycyclic cage molecule with high symmetry and remarkable properties. Adamantane can be incorporated into a lipophilic part of the lipid bilayer that constitutes membranes and as an anchor in the lipid bilayer of liposomes. Adamantane can be used in research of surface recognition and drug delivery^[1].

REFERENCES

[1]. Štimac A, et, al. Adamantane in Drug Delivery Systems and Surface Recognition. Molecules. 2017 Feb 16;22(2):297.

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

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