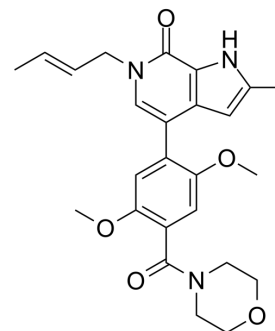


GNE-375

| | | | |
|---------------------------|---|-------|----------|
| Cat. No.: | HY-123621 | | |
| CAS No.: | 1926989-06-1 | | |
| Molecular Formula: | C ₂₅ H ₂₉ N ₃ O ₅ | | |
| Molecular Weight: | 451.51 | | |
| Target: | Epigenetic Reader Domain | | |
| Pathway: | Epigenetics | | |
| 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 : 50 mg/mL (110.74 mM; Need ultrasonic)

| Concentration | Mass | | |
|---------------|-----------|------------|------------|
| | 1 mg | 5 mg | 10 mg |
| 1 mM | 2.2148 mL | 11.0740 mL | 22.1479 mL |
| 5 mM | 0.4430 mL | 2.2148 mL | 4.4296 mL |
| 10 mM | 0.2215 mL | 1.1074 mL | 2.2148 mL |

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

BIOLOGICAL ACTIVITY

Description

GNE-375 is a potent and highly selective BRD9 inhibitor with an IC₅₀ of 5 nM. GNE-375 shows >100-fold selective for BRD9 over BRD4, TAF1, and CECR2. GNE-375 decreases BRD9 binding to chromatin^[1].

IC₅₀ & Target

BRD9
5 nM (IC₅₀)

REFERENCES

[1]. Terry D Crawford, et al. Inhibition of bromodomain-containing protein 9 for the prevention of epigenetically-defined drug resistance. *Bioorg Med Chem Lett*. 2017 Aug 1;27(15):3534-3541.

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

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