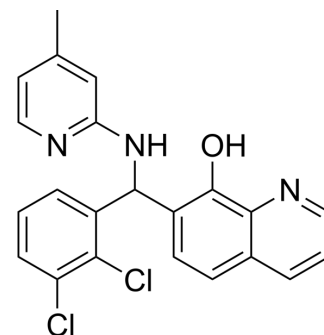


MMRi64

| | | | |
|---------------------------|--|-------|----------|
| Cat. No.: | HY-123950 | | |
| CAS No.: | 430458-66-5 | | |
| Molecular Formula: | C ₂₂ H ₁₇ Cl ₂ N ₃ O | | |
| Molecular Weight: | 410.3 | | |
| Target: | MDM-2/p53; Apoptosis | | |
| Pathway: | Apoptosis | | |
| 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 : 100 mg/mL (243.72 mM; Need ultrasonic) | | | | |
| | | Solvent Concentration | Mass 1 mg | 5 mg | 10 mg |
| | Preparing Stock Solutions | 1 mM | 2.4372 mL | 12.1862 mL | 24.3724 mL |
| | | 5 mM | 0.4874 mL | 2.4372 mL | 4.8745 mL |
| 10 mM | | 0.2437 mL | 1.2186 mL | 2.4372 mL | |
| Please refer to the solubility information to select the appropriate solvent. | | | | | |
| In Vivo | 1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.09 mM); Clear solution | | | | |

BIOLOGICAL ACTIVITY

| | |
|--------------------|---|
| Description | MMRi64 disrupts Mdm2-MdmX interactions. MMRi64 downregulates Mdm2 and MdmX in leukemia cells. MMRi64 induces p53 accumulation, and induces the apoptotic arm of the p53 pathway in leukemia/lymphoma cells. MMRi64 can be used for cancer research ^[1] . |
|--------------------|---|

REFERENCES

[1]. Wu W, et al. Targeting RING domains of Mdm2-MdmX E3 complex activates apoptotic arm of the p53 pathway in leukemia/lymphoma cells. Cell Death Dis. 2015 Dec 31;6(12):e2035.

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

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