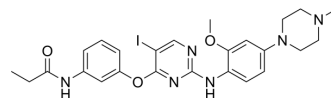


HTH-02-006

| | | | |
|--------------------|---|-------|----------|
| Cat. No.: | HY-156397 | | |
| Molecular Formula: | C ₂₅ H ₂₉ N ₆ O ₃ | | |
| Molecular Weight: | 588.44 | | |
| Target: | AMPK | | |
| Pathway: | Epigenetics; PI3K/Akt/mTOR | | |
| 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 (169.94 mM; Need ultrasonic) | | | | |
| | | Solvent Concentration | Mass | | |
| | Preparing Stock Solutions | | 1 mg | 5 mg | 10 mg |
| | | 1 mM | 1.6994 mL | 8.4970 mL | 16.9941 mL |
| | | 5 mM | 0.3399 mL | 1.6994 mL | 3.3988 mL |
| | 10 mM | 0.1699 mL | 0.8497 mL | 1.6994 mL | |
| Please refer to the solubility information to select the appropriate solvent. | | | | | |
| In Vivo | 1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (4.25 mM); Clear solution; Need ultrasonic | | | | |
| | 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (4.25 mM); Clear solution; Need ultrasonic | | | | |

BIOLOGICAL ACTIVITY

| | |
|---------------------------|--|
| Description | HTH-02-006 is a NUA2 inhibitor (IC ₅₀ ?=?126?nM). HTH-02-006 reduces levels of phosphorylated MYPT1 in HuCCT-1 cells. HTH-02-006 inhibits YAP-driven cell proliferation, hepatomegaly and tumorigenesis. HTH-02-006 also has antifibrotic protective effect ^{[1][2]} . |
| IC ₅₀ & Target | 126?nM (NUAK2) ^[1] |

REFERENCES

[1]. Yuan WC, et al. NUA2 is a critical YAP target in liver cancer. Nat Commun. 2018 Nov 16;9(1):4834.

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

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