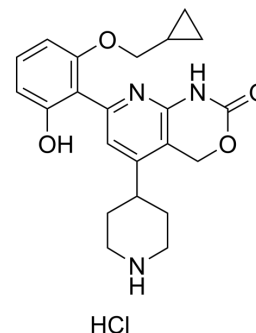


IKK-IN-1

| | |
|---------------------------|--|
| Cat. No.: | HY-13873 |
| CAS No.: | 406211-06-1 |
| Molecular Formula: | C ₂₂ H ₂₆ ClN ₃ O ₄ |
| Molecular Weight: | 431.91 |
| Target: | IKK |
| Pathway: | NF-κB |
| Storage: | 4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture) |



SOLVENT & SOLUBILITY

| | | | | | |
|---|--|--------------------------|--------------|------------|------------|
| In Vitro | DMSO : 33.33 mg/mL (77.17 mM; Need ultrasonic) | | | | |
| | | Solvent Concentration | Mass 1 mg | 5 mg | 10 mg |
| | Preparing Stock Solutions | 1 mM | 2.3153 mL | 11.5765 mL | 23.1530 mL |
| | | 5 mM | 0.4631 mL | 2.3153 mL | 4.6306 mL |
| | | 10 mM | 0.2315 mL | 1.1576 mL | 2.3153 mL |
| Please refer to the solubility information to select the appropriate solvent. | | | | | |
| In Vivo | 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.79 mM); Clear solution | | | | |
| | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.79 mM); Clear solution | | | | |
| | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.79 mM); Clear solution | | | | |

BIOLOGICAL ACTIVITY

| | |
|-------------------------------------|---|
| Description | IKK-IN-1 is an inhibitor of IKK extracted from patent WO2002024679A1, compound example 18-13. |
| IC₅₀ & Target | IKK |

CUSTOMER VALIDATION

-
- Theranostics. 2018 Sep 9;8(17):4633-4648.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. WO2002024679A1

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

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