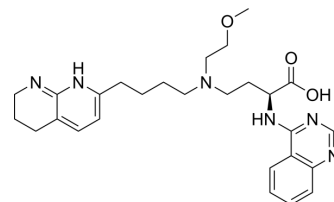


Bexotegrast

| | |
|--------------------|--|
| Cat. No.: | HY-137561 |
| CAS No.: | 2376257-44-0 |
| Molecular Formula: | C ₂₇ H ₃₆ N ₆ O ₃ |
| Molecular Weight: | 492.61 |
| Target: | Integrin |
| Pathway: | Cytoskeleton |
| Storage: | 4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light) |



SOLVENT & SOLUBILITY

| | | | | | | |
|---|---|--------------------------|-------|-----------|------------|------------|
| In Vitro | DMSO : 250 mg/mL (507.50 mM; Need ultrasonic) | | | | | |
| | Preparing Stock Solutions | Solvent Concentration | Mass | 1 mg | 5 mg | 10 mg |
| | | | 1 mM | 2.0300 mL | 10.1500 mL | 20.3000 mL |
| | | | 5 mM | 0.4060 mL | 2.0300 mL | 4.0600 mL |
| | | | 10 mM | 0.2030 mL | 1.0150 mL | 2.0300 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: ≥ 2.08 mg/mL (4.22 mM); Clear solution | | | | | |
| | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (4.22 mM); Clear solution | | | | | |
| | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.22 mM); Clear solution | | | | | |

BIOLOGICAL ACTIVITY

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|---------------------------|--|
| Description | Bexotegrast is a potent inhibitor of αvβ6 integrin. Bexotegrast can be used for researching fibrosis such as idiopathic pulmonary fibrosis (IPF) and nonspecific interstitial pneumonia (NSIP) (extracted from patent WO2020210404A1, compound 5) ^[1] . |
| IC ₅₀ & Target | αvβ6 |

REFERENCES

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

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