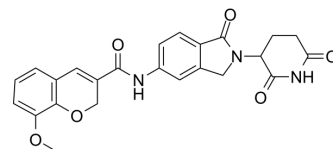


DEG-77

| | |
|--------------------|--|
| Cat. No.: | HY-157334 |
| CAS No.: | 3032265-06-5 |
| Molecular Formula: | C ₂₄ H ₂₁ N ₃ O ₆ |
| Molecular Weight: | 447.44 |
| Target: | Casein Kinase |
| Pathway: | Cell Cycle/DNA Damage; Stem Cell/Wnt |
| Storage: | <div> <div>Powder</div> <div>-20°C 3 years</div> <div>4°C 2 years</div> </div> <div> <div>In solvent</div> <div>-80°C 6 months</div> <div>-20°C 1 month</div> </div> |



SOLVENT & SOLUBILITY

| | | | | | | |
|---|--|---|-----------------|-----------|------------|------------|
| In Vitro | DMSO : 50 mg/mL (111.75 mM; ultrasonic and warming and heat to 80°C) | | | | | |
| | Preparing Stock Solutions | <div>Solvent</div> <div>Concentration</div> | <div>Mass</div> | 1 mg | 5 mg | 10 mg |
| | | 1 mM | | 2.2349 mL | 11.1747 mL | 22.3494 mL |
| | | 5 mM | | 0.4470 mL | 2.2349 mL | 4.4699 mL |
| | | 10 mM | | 0.2235 mL | 1.1175 mL | 2.2349 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 (5.59 mM); Clear solution; Need ultrasonic | | | | | |

BIOLOGICAL ACTIVITY

| | |
|-------------|--|
| Description | DEG-77, a PROTAC based IKZF2 and CK1α degrader, possesses suitable pharmacokinetic properties, solubility, and selectivity for in vivo studies (t _{1/2} =8h) ^[1] . |
|-------------|--|

REFERENCES

[1]. David K Miyamoto, et al. Design and Development of IKZF2 and CK1α Dual Degraders. J Med Chem. 2023 Dec 28;66(24):16953-16979.

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

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