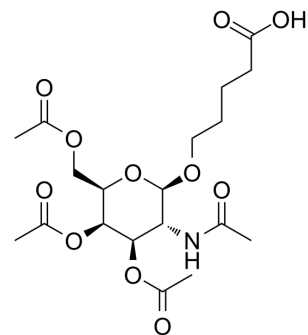


TLR4-IN-C34-C2-COOH

| | | | |
|--------------------|--|-------|----------|
| Cat. No.: | HY-W092043 | | |
| CAS No.: | 1159408-54-4 | | |
| Molecular Formula: | C ₁₉ H ₂₉ NO ₁₁ | | |
| Molecular Weight: | 447.43 | | |
| Target: | Toll-like Receptor (TLR); PROTAC Linkers | | |
| Pathway: | Immunology/Inflammation; PROTAC | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (223.50 mM; Need ultrasonic)
 DMSO : 100 mg/mL (223.50 mM; Need ultrasonic)

| Concentration | Solvent | Mass | 1 mg | 5 mg | 10 mg |
|---------------|---------|------|-----------|-----------|------------|
| | | | 1 mM | 2.2350 mL | 11.1749 mL |
| 5 mM | | | 0.4470 mL | 2.2350 mL | 4.4700 mL |
| 10 mM | | | 0.2235 mL | 1.1175 mL | 2.2350 mL |

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (5.59 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.5 mg/mL (5.59 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (5.59 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

TLR4-IN-C34-C2-COO is a linker that incorporates TLR4 inhibitor TLR4-IN-C34. TLR4-IN-C34 inhibits TLR4 in enterocytes and macrophages, and reduces systemic inflammation in mouse models of endotoxemia and necrotizing enterocolitis^[1].

REFERENCES

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

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