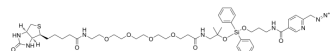


Biotin-PEG4-dialkoxydiphenylsilane-picolyl azide

| | |
|---------------------------|--|
| Cat. No.: | HY-145383 |
| CAS No.: | 2599839-59-3 |
| Molecular Formula: | C ₄₇ H ₆₇ N ₉ O ₁₀ SSi |
| Molecular Weight: | 978.24 |
| Target: | Fluorescent Dye |
| Pathway: | Others |
| Storage: | -20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen) |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (102.22 mM; Need ultrasonic)

| Concentration | Mass | | |
|---------------|-----------|-----------|------------|
| | 1 mg | 5 mg | 10 mg |
| 1 mM | 1.0222 mL | 5.1112 mL | 10.2224 mL |
| 5 mM | 0.2044 mL | 1.0222 mL | 2.0445 mL |
| 10 mM | 0.1022 mL | 0.5111 mL | 1.0222 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 (2.56 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (2.56 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (2.56 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Biotin-PEG4-dialkoxydiphenylsilane-picolyl azide is a clickable, acid-cleavable biotin-picolyl azide. Biotin-PEG4-dialkoxydiphenylsilane-picolyl azide is an enrichment handle of cell surface glycoproteins for protein labeling^[1].

REFERENCES

- [1]. Benjamin Schumann, et al. Bump-and-Hole Engineering Identifies Specific Substrates of Glycosyltransferases in Living Cells. Mol Cell. 2020 Jun 4;78(5):824-834.e15.

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

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