Tyramide alkyne

MedChemExpress

R

| Cat. No.: | HY-155639 |
|--------------------|---|
| CAS No.: | 2230051-33-7 |
| Molecular Formula: | C ₁₄ H ₁₇ NO ₂ |
| Molecular Weight: | 231.29 |
| Target: | Others |
| Pathway: | Others |
| Storage: | 4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |

SOLVENT & SOLUBILITY

| In Vitro | DMSO : 100 mg/mL (432.36 mM; Need ultrasonic) | | | | | | |
|----------|--|-------------------------------|-----------|------------|------------|--|--|
| | Preparing Stock Solutions | Solvent Mass Concentration | 1 mg | 5 mg | 10 mg | | |
| | | 1 mM | 4.3236 mL | 21.6179 mL | 43.2358 mL | | |
| | | 5 mM | 0.8647 mL | 4.3236 mL | 8.6472 mL | | |
| | | 10 mM | 0.4324 mL | 2.1618 mL | 4.3236 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 (10.81 mM); Clear solution; Need ultrasonic | | | | | | |
| | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (10.81 mM); Clear solution; Need ultrasonic | | | | | | |
| | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (10.81 mM); Clear solution; Need ultrasonic | | | | | | |

| BIOEOGICAE ACTIV | | | | | |
|------------------|---|--|--|--|--|
| Description | Tyramide alkyne is an alternative labeling substrate that can be coupled to detection or enrichment moieties via a Copper- catalyzed Azide/Alkyne Cycloaddition (CuAAC) "click" reaction. Tyramide alkyne can be used for ascorbate peroxidase 2 (APEX2) labeling ^[1] . | | | | |

REFERENCES

[1]. Ganapathy US, et al. Compartment-Specific Labeling of Bacterial Periplasmic Proteins by Peroxidase-Mediated Biotinylation. ACS Infect Dis. 2018 Jun 8;4(6):918-925.

∕ОН

Product Data Sheet

) U

N H

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

 Tel: 609-228-6898
 Fax: 609-228-5909
 E-mail: tech@MedChemExpress.com

 Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA