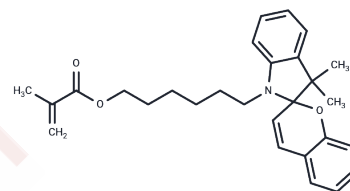


Spiropyran hexyl methacrylate

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 2522597-48-2 |
| Formula: | C ₂₈ H ₃₃ N ₃ O ₃ |
| Molecular Weight: | 431.576 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|---------------|--|
| Description | Spiropyran hexyl methacrylate is a compound utilized to create a spiropyran-based polymeric hydrogel, specifically to enable light-activated mechanical actuation. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.3171 mL | 11.5853 mL | 23.1707 mL |
| 5 mM | 0.4634 mL | 2.3171 mL | 4.6341 mL |
| 10 mM | 0.2317 mL | 1.1585 mL | 2.3171 mL |
| 50 mM | 0.0463 mL | 0.2317 mL | 0.4634 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Chuang Li, et al. Supramolecular-covalent hybrid polymers for light-activated mechanical actuation. Nat Mater. 2020 Aug;19(8):900-909.

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