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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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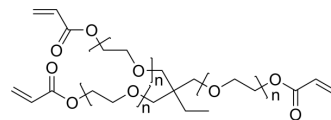
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Trimethylolpropane ethoxylate triacrylate

| | |
|--------------------|--|
| Cat. No.: | HY-139446 |
| CAS No.: | 28961-43-5 |
| Molecular Formula: | C ₂₁ H ₃₂ O ₉ |
| Molecular Weight: | 428.47 |
| Target: | Biochemical Assay Reagents |
| 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 (233.39 mM)
* "≥" means soluble, but saturation unknown.

| Preparing Stock Solutions | Solvent Concentration | Mass | 1 mg | 5 mg | 10 mg |
|---------------------------|-----------------------|---------------|-----------|------------|------------|
| | | Concentration | 1 mg | 5 mg | 10 mg |
| | 1 mM | | 2.3339 mL | 11.6694 mL | 23.3389 mL |
| | 5 mM | | 0.4668 mL | 2.3339 mL | 4.6678 mL |
| | 10 mM | | 0.2334 mL | 1.1669 mL | 2.3339 mL |

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

BIOLOGICAL ACTIVITY

Description

Trimethylolpropane ethoxylate triacrylate (ETPTA) is a plasticizer that can be used synthesize nanocomposites^[1].

In Vitro

Photonic crystals with different positions of the photonic stop band were fabricated by inverting opal-type templates using photopolymerization of a trimethylolpropane ethoxylate triacrylate (ETPTA) photocurable resin. Then Au nanoparticles were embedded into inverse ETPTA films by multiple infiltration^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Matin Ashurov, et al. Surface-enhanced Raman scattering in ETPTA inverse photonic crystals with gold nanoparticles. Phys Chem Chem Phys. 2021 Sep 6.

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

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