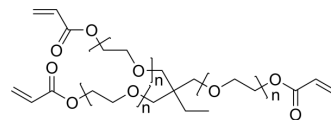


## Trimethylolpropane ethoxylate triacrylate

Cat. No.:	HY-139446
CAS No.:	28961-43-5
Molecular Formula:	C <sub>21</sub> H <sub>32</sub> O <sub>9</sub>
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<sup>[1]</sup>.

#### 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<sup>[1]</sup>.  
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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

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