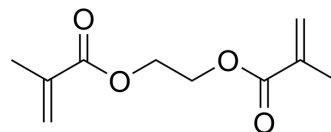


Ethylene glycol dimethacrylate

Cat. No.:	HY-W014940
CAS No.:	97-90-5
Molecular Formula:	C ₁₀ H ₁₄ O ₄
Molecular Weight:	198.22
Target:	Reactive Oxygen Species; Apoptosis
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB; Apoptosis
Storage:	<div>Pure form</div> <div>-20°C 3 years</div> <div>4°C 2 years</div> <div>In solvent</div> <div>-80°C 6 months</div> <div>-20°C 1 month</div>



BIOLOGICAL ACTIVITY

Description	Ethylene glycol dimethacrylate is a methacrylate monomer, exhibits cytotoxic and genotoxic effects on human gingival fibroblasts (HGFs). Ethylene glycol dimethacrylate increases intracellular reactive oxygen species (ROS) production, causes DNA damage, increases apoptosis and causes cell cycle arrest in G1/G0 phase ^[1] .
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REFERENCES

[1]. Anna Bielecka-Kowalska, et al. Ethylene glycol dimethacrylate and diethylene glycol dimethacrylate exhibits cytotoxic and genotoxic effect on human gingival fibroblasts via induction of reactive oxygen species. *Toxicol In Vitro*. 2018 Mar;47:8-17.

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

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