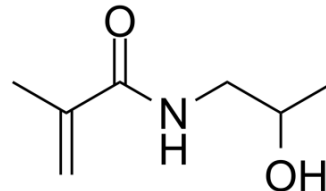


N-(2-Hydroxypropyl)methacrylamide

Cat. No.:	HY-W077028
CAS No.:	21442-01-3
Molecular Formula:	C ₇ H ₁₃ NO ₂
Molecular Weight:	143.18
Target:	Others
Pathway:	Others
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



BIOLOGICAL ACTIVITY

Description	N-(2-Hydroxypropyl)methacrylamide is used to synthesize copolymers for the targeted delivery of antileishmanial agents in Visceral leishmaniasis (VL) [1][1].
In Vivo	At 5 mg/kg body weight drug equivalent dose, all N-(2-Hydroxypropyl)methacrylamide copolymer-drug conjugates which contained lysosomally degradable side chains shows significant in vivo antileishmanial activity (>99% inhibition)[1].

REFERENCES

- [1]. Nan A, et al. N-(2-hydroxypropyl)methacrylamide (HPMA) copolymers for targeted delivery of 8-aminoquinoline antileishmanial drugs. *J Control Release*. 2001 Dec 13;77(3):233-43.
- [2]. Hao Tang, et al. Comb-like Poly(N-(2-hydroxypropyl) methacrylamide) Doxorubicin Conjugates: The Influence of Polymer Architecture and Composition on the Biological Properties. *Chinese Journal of Polymer Science* volume 36, pages1225-1238(2018).

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

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