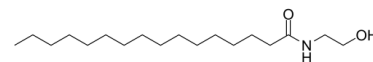


Data Sheet

Product Name:	Impulsin
Cat. No.:	CS-D1253
CAS No.:	544-31-0
Molecular Formula:	C ₁₈ H ₃₇ NO ₂
Molecular Weight:	299.49
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

Impulsin (AM 3112) is an active endogenous compound which can be used for preventing virus infection of the respiratory tract. **In Vitro:** Impulsin (AM 3112) itself does not stimulate interferon production in mice treated per os or intravenously. But repeated application of this drug per os induces a macrophage activation, reflected by enhanced interferon production in vitro. When the interferon stimulation is delayed until 4 to 10 days after the first dose of Impulsin (AM 3112), interferon response to ds-RNA is slightly increased. After this phase of enhanced activity a decreased production of interferon is observed. Impulsin (AM 3112) is not significantly effective in protecting mice from lethal dose of EMC virus. Application of this drug has an inhibitory effect on the toxicity of ds-RNA. A possible explanation of the mechanism by which Impulsin (AM 3112) decreased the toxicity of virus in the organism is discussed^[1].

References:

[1]. Lackovic V, et al. Effect of impulsin treatment of interferon production and antiviral resistance of mice. Arch Immunol Ther Exp (Warsz). 1977;25(5):655-61.

CAIndexNames:

Hexadecanamide, N-(2-hydroxyethyl)-

SMILES:

CCCCCCCCCCCCCCCC(NCCO)=O

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

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