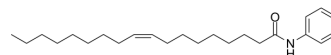


Oleyl anilide

Cat. No.:	HY-114619
CAS No.:	5429-85-6
Molecular Formula:	C ₂₄ H ₃₉ NO
Molecular Weight:	357.57
Target:	Acyltransferase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Oleyl anilide (Oleic acid anilide) is a toxic agent found in some stocks of toxic oil, which is associated with toxic oil syndrome (TOS). Oleyl anilide is an inhibitor of acyl-coenzyme A:cholesterol acyltransferase (ACAT) (IC ₅₀ : 26 μM) ^{[1][2]} .								
In Vivo	<p>Oleyl anilide (0.8 mmol/kg, i.p., twice a week for 6 weeks) induces perturbations in the immune response, and lead to TOS-related immune derangements in female MRL+/+ mice^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Female MRL+/+ mice^[2]</td> </tr> <tr> <td>Dosage:</td> <td>0.8 mmol/kg</td> </tr> <tr> <td>Administration:</td> <td>i.p., twice a week for 6 weeks</td> </tr> <tr> <td>Result:</td> <td>Increased IgG, IgG1, IgG2a, IgG3, IgE and IgG2b levels. Increased lymphocyte population.</td> </tr> </table>	Animal Model:	Female MRL+/+ mice ^[2]	Dosage:	0.8 mmol/kg	Administration:	i.p., twice a week for 6 weeks	Result:	Increased IgG, IgG1, IgG2a, IgG3, IgE and IgG2b levels. Increased lymphocyte population.
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REFERENCES

[1]. Roth BD, et al. Inhibitors of acyl-CoA:cholesterol acyltransferase. 1. Identification and structure-activity relationships of a novel series of fatty acid anilide hypocholesterolemic agents. *J Med Chem.* 1992 May 1;35(9):1609-17.

[2]. Cai P, et al. Immunotoxic response of oleic acid anilide and its hydrolysis products in female MRL (+/+) mice. *J Immunotoxicol.* 2005 Oct 1;2(4):231-6.

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

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