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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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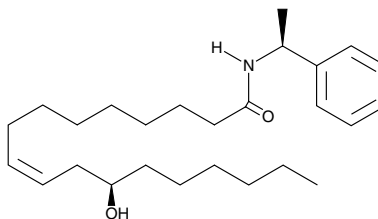
Product Information



(S)- α -Methylbenzyl Ricinoleamide

Item No. 17546

CAS Registry No.: 1246776-22-6
Formal Name: 12R-hydroxy-N-[(1S)-1-phenylethyl]-9Z-octadecenamide
MF: C₂₆H₄₃NO₂
FW: 401.6
Purity: \geq 98%
Stability: \geq 1 year at -20°C
Supplied as: A solution in ethanol



Laboratory Procedures

For long term storage, we suggest that (S)- α -methylbenzyl ricinoleamide be stored as supplied at -20°C. It should be stable for at least one year.

(S)- α -Methylbenzyl ricinoleamide is supplied as a solution in ethanol. To change the solvent, simply evaporate the ethanol under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as ethanol, DMSO, and dimethyl formamide (DMF) purged with an inert gas can be used. The solubility of (S)- α -methylbenzyl ricinoleamide in ethanol and DMF is approximately 30 mg/ml and approximately 25 mg/ml in DMSO.

(S)- α -Methylbenzyl ricinoleamide is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, the ethanolic solution of (S)- α -methylbenzyl ricinoleamide should be diluted with the aqueous buffer of choice. (S)- α -Methylbenzyl ricinoleamide has a solubility of approximately 0.25 mg/ml in a 1:3 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

(S)- α -Methylbenzyl ricinoleamide is a fatty acid amide derived from ricinoleic acid and methyl benzylamine.¹ It demonstrates potent growth inhibition of glioma (U251), breast (MCF-7), ovarian (NCI-ADR/RES and OVCAR-3), kidney (786-0), non-small cell lung (NCI-H460), and prostate (PC-3) cancer cells with a mean GI₅₀ value of 6.9 μ M.¹

Reference

1. dos Santos, D.S., Piovesan, L.A., D'Oca, C.R.M., *et al.* Antiproliferative activity of synthetic fatty acid amides from renewable resources. *Bioorg. Med. Chem.* **23**(2), 340-347 (2015).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/17546

WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY: NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Cayman Chemical Company makes **no warranty or guarantee** of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, suitability and merchantability, which extends beyond the description of the chemicals hereof. Cayman **warrants only** to the original customer that the material will **meet our specifications at the time of delivery**.

Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have **any obligation or liability**, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.

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