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Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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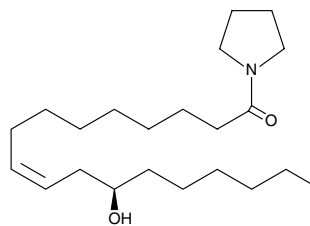
Product Information



Pyrrolidine Ricinoleamide

Item No. 17548

CAS Registry No.: 1246776-23-7
Formal Name: 12R-hydroxy-1-(1-pyrrolidinyl)-9Z-octadecen-1-one
MF: C₂₂H₄₁NO₂
FW: 351.6
Purity: ≥98%
Stability: ≥1 year at -20°C
Supplied as: A solution in ethanol



Laboratory Procedures

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

Pyrrolidine ricinoleamide is supplied as a solution in ethanol. To change the solvent, simply evaporate the pyrrolidine ricinoleamide 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 pyrrolidine ricinoleamide in ethanol and DMF is approximately 30 mg/ml and approximately 25 mg/ml in DMSO.

Pyrrolidine ricinoleamide is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, the ethanolic solution of pyrrolidine ricinoleamide should be diluted with the aqueous buffer of choice. Pyrrolidine 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.

Ricinoleic acid is a naturally occurring 12-hydroxy fatty acid. It constitutes about 90% of the fatty acids in castor oil. Pyrrolidine ricinoleamide is a derivative of the amide of ricinoleic acid that shows potent antiproliferative activity against an array of cancer cell lines, including human glioma U251 cells.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/17548

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**.

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