Data Sheet (Cat.No.T20501)



Undecylenoyl phenylalanine

| Chemical Proper | ties |
|-------------------|--|
| CAS No. : | 175357-18-3 |
| Formula: | C20H29NO3 |
| Molecular Weight: | 331.45 |
| Appearance: | no data available |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year |
| | |

| Biological Description | |
|-------------------------------|--|
| Description | Undecylenoyl phenylalanine (Sepiwhite msh QD) is a novel depigmenting agent, which possibly acts as an alpha-melanocyte-stimulating hormone antagonist, thus inhibiting melaninogenesis. |
| Targets(IC50) | Melanocortin Receptor |

| Solubility Information | |
|------------------------|--|
| Solubility | DMSO: 60 mg/ml (181.02 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble) |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.017 mL | 15.0852 mL | 30.1705 mL |
| 5 mM | 0.6034 mL | 3.017 mL | 6.0341 mL |
| 10 mM | 0.3017 mL | 1.5085 mL | 3.017 mL |
| 50 mM | 0.0603 mL | 0.3017 mL | 0.6034 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Katoulis A, et al. A double-blind vehicle-controlled study of a preparation containing undecylenoyl phenylalanine 2% in the treatment of melasma in females. J Cosmet Dermatol. 2014 Jun;13(2):86-90.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481