

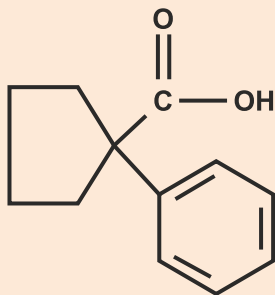


Sarex Overseas (A division of Saraf Chemicals Pvt. Ltd.)

Corporate Office: 501, Waterford, C Wing, C. D. Barfiwala Marg, Juhu Lane, Andheri (W), Mumbai - 400 058, India.
Phone: +91(22) 6128 5566 / 4218 4218, Fax: +91(22) 4218 4350.
Web: www.sarex.com • Email: fchem@sarex.com

1-PHENYL-1-CYCLOPENTANECARBOXYLIC ACID

1. STRUCTURE



2. PRODUCT NAME & DETAILS

1-Phenyl-1-cyclopentanecarboxylic acid

Product Code	: 000022
CAS No.	: 77-55-4
HS Code	: 2916.39.90
Molecular formula	: C ₁₂ H ₁₄ O ₂
Molecular weight	: 190.240

3. REGULATORY INFORMATION

Chemical name	Common names and synonyms	CAS number	EC number
1-phenylcyclopentanecarboxylic acid	1-phenylcyclopentanecarboxylic acid	77-55-4	201-037-7
European Inventory of Existing Commercial Chemical Substances (EINECS)			Listed
EC Inventory			Listed
United States Toxic Substances Control Act (TSCA) Inventory			Not Listed
China Catalog of Hazardous chemicals 2015			Not Listed
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)			Not Listed
Korea Existing Chemicals List (KECL)			Not Listed
Canadian Domestic Substance List (DSL)			Not Listed
Canadian Non-Domestic Substance List (NDSL)			Not Listed
Japanese Existing and New Chemical Substances Inventory (ENCS)			Listed

4. SPECIFICATION

Physical Appearance	: White to Off-white Powder
Impurity @ RRT 2.0	: NMT 0.08%
Impurity @ RRT 1.9	: NMT 0.08%
1-Phenylcyclopentanecarboxylic Acid Amide HPLC	: NMT 3%
Melting Point	: 159-161°C
Moisture Content (KF)	: NMT 0.5%
Solubility (2.5% in DMF)	: Clear Solution

Disclaimer

Typical properties should not be considered as specification.
Product covered by valid patents are not offered or supplied for commercial use. The Patent position should be verified by the customer.
Products will not be supplied to countries where they could be in conflict with existing patents.
Products currently covered by valid US patents are offered for R&D use in accordance with 35 USC 271 (e) (I)
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4. SPECIFICATION

Total Unknown Impurities	: NMT 2.0%
Single Impurity Major	: NMT 1.0%
Assay (by Titration, Acidimetry)	: 98% - 101%

5. APPLICATION

- It is an intermediates of Pentoxyerine and It is use in Antitussive Drug. (to relieve coughing)
- It is an intermediate of Caramiphen. Caramiphen is a cholinergic antagonist used in Parkinson's disease.
- Additionally, it is used, in combination with phenylpropranolamine, as a cough suppressant and nasal decongestant for the symptomatic treatment of seasonal respiratory conditions.
- 1-Phenyl-1-cyclopentanecarboxylic acid was used to prepare precursors required for solid phase synthesis of isoxazole and isoxazoline derivatives.

6. HAZARD CLASSIFICATION : Non-hazardous Substance.



Irritant

7. ANNUAL CAPACITY : 24 MT.

8. STORAGE CONDITION : Store in closed container at ambient temperature. Avoid direct sunlight.

9. PACKING DEATILS : STD Pack Size : 20 kg Net Wt. HDPE Drum
One Pallet Size : 18 Drums x 20kg Drums = 360 kg
Inner Packing : 2 plastic strip seal individually on each inner

10. SHELF LIFE : 3 years.

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