

Product Datasheet

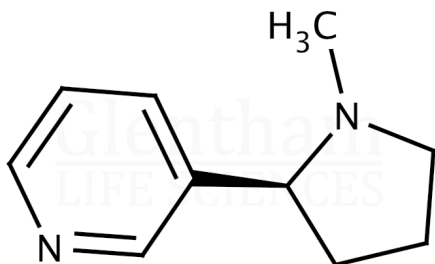
GK9991 - S-(-)-Nicotine

Product Details

Product Name	S-(-)-Nicotine
Glenthams Code	GK9991
CAS Number	54-11-5
EINECS	200-193-3
Numéro MDL	MFCD00006369
PubChem SID	310277761
Related Categories	Biochemicals, Phytochemicals, Alkaloids

Structure

Molecular Weight	: 162.24
Molecular Formula	: C ₁₀ H ₁₄ N ₂



Storage

Recommended storage temperature: +4°C.

Hazards and Transport

CLP Classification	Aquatic Chronic 2, Acute Tox. 3, Acute Tox. 1
Signal Word	Danger
Hazard Codes	H411, H301, H310
Precautionary Codes	P273, P280, P302+P352, P312, P301+P310

Pictograms



UN Number, Class, PG (RID) UN1654 - 6.1 - PG II

Glenthams Product Specification

Physical Description	: Colourless or brownish viscous liquid
Assay	: 99.0 - 101.0 % (anhydrous)
Solubility	: Soluble in water, miscible with anhydrous ethanol
Appearance of Solution	: 1g/10ml in water, Colour: < Y5, BY5 or R5
Specific Optical Rotation	: -140 - -152 ° (1g/50ml in ethanol)
Water	: ≤ 0.5%
Identification	: IR
	: UV
Ethanol	: ≤ 0.5%
Hexane	: ≤ 0.03%
Heavy Metals	: ≤ 10ppm
Sulphated Ash	: ≤ 0.1%
Impurities	: Nicotine-trans-N-oxide: ≤ 0.2%
	: Nicotine-cis-N-oxide: ≤ 0.2%
	: Myosmine: ≤ 0.5%
	: Contineine: ≤ 0.2%
	: beta-Nicotyrine: ≤ 0.2%
	: Nornicotine: ≤ 0.5%
	: Anabasine: ≤ 0.3%
	: Anatabine: ≤ 0.3%
	: Total Nicotine-N-oxides: ≤ 0.3%
Any Unspecified Impurity	: ≤ 0.1%
Total Impurities	: ≤ 1.0%
Pharmacopoeia Specification(s)	: EP
Version	: v1.0

About S-(-)-Nicotine

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Nicotine is a naturally derived alkaloid found in the nightshade family of plants. It is a toxic, highly addictive central nervous system stimulant that targets acetylcholine receptors.