

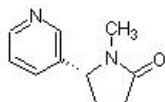
Product datasheet

R-(+)-Cotinine, chiral primary nicotine metabolite ab144738

Overview

Product name	R-(+)-Cotinine, chiral primary nicotine metabolite
Description	Chiral primary nicotine metabolite. Neuronal nAChR agonist.
Biological description	Chiral primary nicotine (ab145110 , ab145013 , ab120562 , ab120450) metabolite. Neuronal nAChR agonist. Shows a much longer half life of 20 hours than nicotine. Shows carcinogenic effects. Improves sustained attention and decreasing impulsive and compulsive behaviours. Shows antipsychotic effects <i>in vivo</i> . Blood-brain barrier permeable.
CAS Number	32162-64-4

Chemical structure



Properties

Chemical name	(5R)-1-Methyl-5-(pyridin-3-yl)pyrrolidin-2-one
Molecular weight	176.22
Molecular formula	C ₁₀ H ₁₂ N ₂ O
PubChem identifier	21907
Storage instructions	Store at -20°C. Store In the Dark. This product is air and light sensitive and impurities can occur as a result of air oxidation or due to metabolism by microbes.
Solubility overview	Soluble in water and in ethanol
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
SMILES	CN1[C@H](CCC1=O)C2=CN=CC=C2
Source	Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team