

Product datasheet

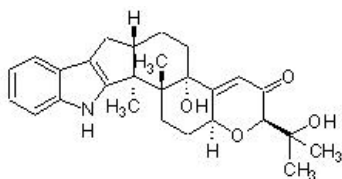
Paxilline, Ca²⁺-activated K⁺ channel blocker ab141840

1 Image

Overview

Product name	Paxilline, Ca ²⁺ -activated K ⁺ channel blocker
Description	Potent high-conductance Ca ²⁺ -activated K ⁺ channel blocker
Biological description	Potent high-conductance Ca ²⁺ -activated K ⁺ channel blocker (K _i = 2 nM, α-subunit BK _{Ca}) Inhibits sarco/endoplasmic reticulum Ca ²⁺ -ATPase (IC ₅₀ = 5 - 50 μM). Shows anticonvulsant effects <i>in vivo</i> .
Purity	> 98%
CAS Number	57186-25-1

Chemical structure



Properties

Chemical name	(2 <i>R</i> ,4 <i>bS</i> ,6 <i>aS</i> ,12 <i>bS</i> ,12 <i>cR</i> ,14 <i>aS</i>)-5,6,6 <i>a</i> ,7,12,12 <i>b</i> ,12 <i>c</i> ,13,14,14 <i>a</i> -Decahydro-4 <i>b</i> -hydroxy-2-(1-hydroxy-1-methylethyl)-12 <i>b</i> ,12 <i>c</i> -dimethyl-2 <i>H</i> -pyrano[2'',3'':5',6']benz[1',2':6,7]indeno[1,2- <i>b</i>]indol-3(4 <i>bH</i>)-one
Molecular weight	435.60
Molecular formula	C ₂₇ H ₃₃ NO ₄
PubChem identifier	105008
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 100 mM and in ethanol to 10 mM
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. Toxic, refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

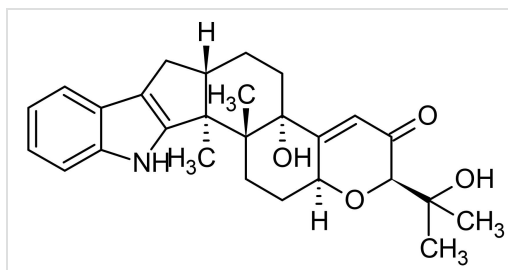
SMILES

CC12CCC3C(=CC(=O)C(O3)C(C)(C)O)C1(CCC4C2(C5=C(C4)C6=CC=CC=C6N5)C)O

Source

Penicillium paxilli

Images



2D chemical structure image of ab141840, Paxilline, Ca²⁺-activated K⁺channel blocker

Chemical Structure - Paxilline, Ca²⁺-activated
K⁺channel blocker (ab141840)

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

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