

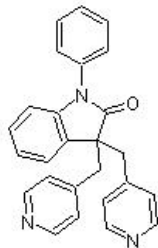
Product datasheet

Linopirdine (DuP-996), M-type K<sup>+</sup> current blocker  
 ab145564

1 Image

Overview

<b>Product name</b>	Linopirdine (DuP-996), M-type K <sup>+</sup> current blocker
<b>Description</b>	M-type K <sup>+</sup> current blocker
<b>Biological description</b>	M-type K <sup>+</sup> current blocker (IC <sub>50</sub> = 2.4 μM). Neurotransmitter release enhancer. Increases brain acetylcholine release. TRPV1 agonist. Shows cognitive enhancing effects <i>in vivo</i> . Water soluble derivative ( <a href="#">ab145548</a> ) also available.
<b>Purity</b>	> 98%
<b>CAS Number</b>	105431-72-9
<b>Chemical structure</b>	



Properties

<b>Chemical name</b>	1-Phenyl-3,3-bis(pyridin-4-ylmethyl)indol-2-one
<b>Molecular weight</b>	391.46
<b>Molecular formula</b>	C <sub>26</sub> H <sub>21</sub> N <sub>3</sub> O
<b>PubChem identifier</b>	3932
<b>Storage instructions</b>	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in ethanol to 100 mM and in DMSO to 25 mM
<b>Handling</b>	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.

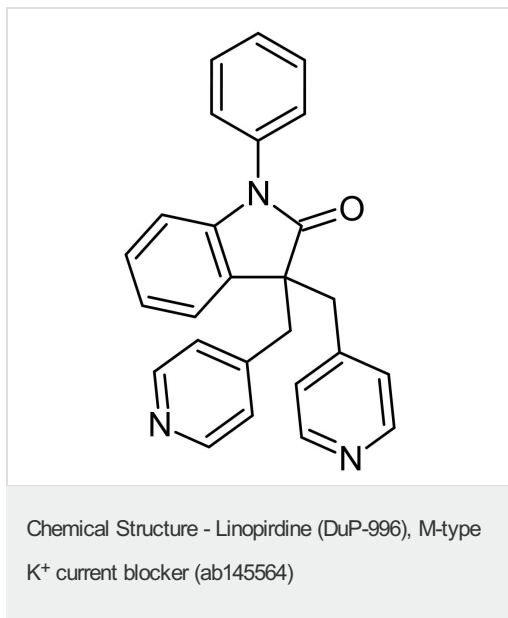
**SMILES**

C1=CC=C(C=C1)N2C3=CC=CC=C3C(C2=O)(CC4=CC=NC=C4)CC5=CC=NC=C5

**Source**

Synthetic

**Images**



2D chemical structure image of ab145564, Linopirdine (DuP-996), M-type K<sup>+</sup> current blocker

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

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