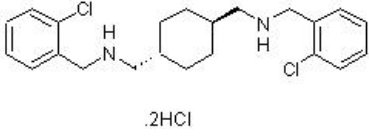


Product datasheet

AY 9944 dihydrochloride, Hedgehog signaling inhibitor  
ab145880

Overview

<b>Product name</b>	AY 9944 dihydrochloride, Hedgehog signaling inhibitor
<b>Description</b>	Hedgehog signaling inhibitor. Potent $\Delta 7$ -dehydrocholesterol reductase inhibitor.
<b>Biological description</b>	Hedgehog signaling inhibitor. Potent $\Delta 7$ -dehydrocholesterol reductase inhibitor ( $IC_{50} = 13$ nM). Inhibits cholesterol esterification and biosynthesis, and shows teratogenic effects <i>in vivo</i> . Orally active.
<b>Purity</b>	> 99%
<b>CAS Number</b>	366-93-8
<b>Chemical structure</b>	

Properties

<b>Chemical name</b>	<i>trans</i> - <i>N,N</i> -Bis[2-Chlorophenylmethyl]-1,4-cyclohexanedimethanamine dihydrochloride
<b>Molecular weight</b>	464.30
<b>Molecular formula</b>	$C_{22}H_{28}Cl_2N_2 \cdot 2HCl$
<b>Storage instructions</b>	Store at Room Temperature. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water to 50 mM
<b>Handling</b>	<p>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 <math>-20^{\circ}C</math>. 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.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>SMILES</b>	<chem>Cl.C1Clc3cccc3CNC[C@@H]2CC[C@@H](CNCc1cccc1Cl)CC2</chem>
<b>Source</b>	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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- Replacement or refund for products not performing as stated on the datasheet
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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

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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