

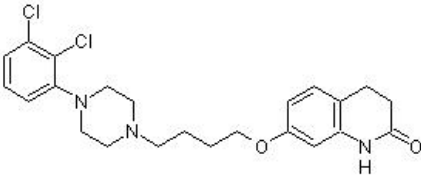
Product datasheet

Aripiprazole ab120764

Overview

|                               |  |
|-------------------------------|--|
| <b>Product name</b>           | Aripiprazole   |
| <b>Description</b>            | Partial dopamine D <sub>2</sub> agonist  |
| <b>Biological description</b> | Partial dopamine D <sub>2</sub> agonist. K <sub>i</sub> (nM) values are 265 (D <sub>1</sub> ), 0.34 (D <sub>2</sub> ), 0.8 (D <sub>3</sub> ), 44 (D <sub>4</sub> ), 1.7 (5-HT <sub>1A</sub> ), 3.4 (5-HT <sub>2A</sub> ), 15 (5-HT <sub>2C</sub> ), 214 (5-HT <sub>6</sub> ), 39 (5-HT <sub>7</sub> ), 57 (α <sub>1</sub> ), 791 (α <sub>2</sub> ), 61 (H <sub>1</sub> ) and >1000 (M <sub>1</sub> ). Antipsychotic and antidepressant activity. Centrally active following oral administration. |
| <b>Purity</b>                 | > 99%  |

Properties

|                           |   |
|---------------------------|---|
| <b>Chemical name</b>      | 7-[4-[4-(2,3-Dichlorophenyl)-1-piperazinyl]butoxy]-3,4-dihydro-2(1H)-quinolinone    |
| <b>Molecular weight</b>   | 448.39  |
| <b>Chemical structure</b> |  |

**Molecular formula** C<sub>23</sub>H<sub>27</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>2</sub>

**CAS Number** 129722-12-9

**Storage instructions** Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.

**Solubility overview** Soluble in DMSO to 100 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.

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

**Source** Synthetic

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- 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 <http://www.abcam.com/abpromise> or contact our technical team.

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