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## DATASHEET

Buspirone hydrochloride

### Product overview

|                          |                                            |
|--------------------------|--------------------------------------------|
| <b>Name</b>              | Buspirone hydrochloride                    |
| <b>Cat No</b>            | HB1649                                     |
| <b>Biological action</b> | Agonist                                    |
| <b>Purity</b>            | >99%                                       |
| <b>Description</b>       | Classic 5-HT <sub>1A</sub> partial agonist |

### Biological Data

|                               |                                                                                                 |
|-------------------------------|-------------------------------------------------------------------------------------------------|
| <b>Biological description</b> | Classic 5-HT <sub>1A</sub> partial agonist ( $K_i = 9.3 - 29.5$ nM). Shows anxiolytic activity. |
|-------------------------------|-------------------------------------------------------------------------------------------------|

### Solubility & Handling

|                             |                                                                                                                               |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage instructions</b> | +4 °C (desiccate)                                                                                                             |
| <b>Solubility overview</b>  | Soluble in water (100mM) or DMSO (100mM)                                                                                      |
| <b>Important</b>            | This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use. |

### Chemical Data

|                           |                                                                                             |
|---------------------------|---------------------------------------------------------------------------------------------|
| <b>Chemical name</b>      | 8-[4-[4-(2-Pyrimidinyl)-1-pipirazin yl]butyl]-8-azaspiro[4,5]decane-7,9-dione hydrochloride |
| <b>Molecular Weight</b>   | 421.97                                                                                      |
| <b>Molecular Formula</b>  | C <sub>21</sub> H <sub>31</sub> N <sub>5</sub> O <sub>2</sub> .HCl                          |
| <b>CAS Number</b>         | 33386-08-2                                                                                  |
| <b>PubChem identifier</b> | 36431                                                                                       |
| <b>SMILES</b>             | Cl.O=C1CC2(CCCC2)CC(=O)N1CCCCN1CCN(CC1)C1=NC=CC=N1                                          |
| <b>InChiKey</b>           | RICLFGYGYQXUFH-UHFFFAOYSA-N                                                                 |