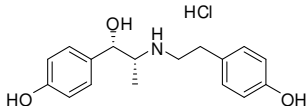




## Certificate of Analysis

<b>Axon Catalogue ID:</b>	3647	<b>Batch Number:</b>	1																								
<b>Product Name:</b>	Ritodrine hydrochloride																										
<b>Alternative Name(s):</b>	DU 21220																										
<b>IUPAC Name:</b>	rel-4-(2-((1S,2R)-1-Hydroxy-1-(4-hydroxyphenyl)propan-2-ylamino)ethyl)phenol hydrochloride																										
<b>Structure:</b>		<b>Amount:</b>																									
<b>CAS number(s):</b>	26652-09-5 (parent), 23239-51-2 (HCl (1:1))																										
<b>Molecular Formula:</b>	C17H21NO3.HCl	<b>Molecular Weight:</b>	323.81																								
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<b>Appearance:</b>	White solid	<b>Observed mp:</b>	198.0 - 199.9 °C																								
<b>TLC (R<sub>f</sub>):</b>	0.3	DCM/MeOH (4:1)																									
<b>Chemical Purity:</b>	99.8%																										
<b><sup>1</sup>H-NMR:</b>	Analytical data confirm chemical structure																										
<b>Mass Spec:</b>	Analytical data confirm chemical structure																										
<b>Microanalysis:</b>	Calculated: C 63.06, H 6.85, N 4.33; Found: C 62.84, H 6.80, N 4.12																										
<b>Storage Conditions:</b>	Desiccate at -20 °C																										
<b>Solubility Data:</b>	<table><thead><tr><th>Solvent</th><th>Solubility (mg/ml)</th><th>Solubility (mM)</th><th>Remarks</th></tr></thead><tbody><tr><td>Water</td><td>32.4</td><td>&gt;100 mM</td><td></td></tr><tr><td>0.1N NaOH (aq)</td><td></td><td></td><td>Not Tested</td></tr><tr><td>0.1N HCl (aq)</td><td></td><td></td><td>Not Tested</td></tr><tr><td>DMSO</td><td>32.4</td><td>&gt;100 mM</td><td></td></tr><tr><td>EtOH</td><td>12.0</td><td>37.1</td><td>* Warming (40°C)</td></tr></tbody></table>	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks	Water	32.4	>100 mM		0.1N NaOH (aq)			Not Tested	0.1N HCl (aq)			Not Tested	DMSO	32.4	>100 mM		EtOH	12.0	37.1	* Warming (40°C)		
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<b>Remarks:</b>	* Warming (40°C) enhanced solubility.																										
<b>QC Date:</b>	29-7-2022																										

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to [info@axonmedchem.com](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**