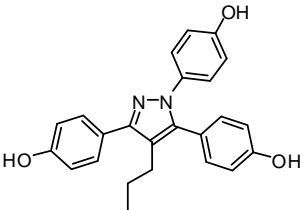




## Certificate of Analysis

<b>Axon Catalogue ID:</b>	1231	<b>Batch Number:</b>	1																								
<b>Product Name:</b>	PPT																										
<b>Alternative Name(s):</b>	N.A.																										
<b>IUPAC Name:</b>	1,3,5-Tri-(4'-hydroxyphenyl)-4-propyl-1H-pyrazole																										
<b>Structure:</b>		<b>Amount:</b>																									
<b>CAS number:</b>	263717-53-9	<b>MW:</b>	386.45																								
<b>Batch Molecular Formula:</b>	C <sub>24</sub> H <sub>22</sub> N <sub>2</sub> O <sub>3</sub> ·1.25H <sub>2</sub> O	<b>Batch MW:</b>	408.96																								
<b>Appearance:</b>	White solid	<b>Observed mp:</b>	199.3 - 200.1 °C																								
<b>TLC (R<sub>f</sub>):</b>	0.3 EtOAc/Hex (1:1)																										
<b>Chemical Purity:</b>	99.4%																										
<b>Optical Purity (ee):</b>																											
<b><sup>1</sup>H-NMR (300 MHz):</b>	Analytical data confirm chemical structure																										
<b>Mass Spec:</b>	Analytical data confirm chemical structure																										
<b>Microanalysis:</b>	C, H, and N fit within 0,4% of theoretical calculation																										
<b>Storage Conditions:</b>	Desiccate at +4°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>0.0</td><td>0.0</td><td>Insoluble</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>38.6</td><td>&gt;100 mM</td><td>Soluble</td></tr><tr><td>EtOH</td><td></td><td></td><td>Not Tested</td></tr></tbody></table>	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks	Water	0.0	0.0	Insoluble	0.1N NaOH (aq)			Not Tested	0.1N HCl (aq)			Not Tested	DMSO	38.6	>100 mM	Soluble	EtOH			Not Tested		
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EtOH			Not Tested																								
<b>Remarks:</b>	Microanalysis: Caclcd. C 70.48, H 6.04, N 6.85; Found: C 70.60, H 5.83, N 6.94.																										
<b>QC Date:</b>	13-7-2012																										

The purity of Axon products 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 Axon Catalogue ID and Batch number.

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