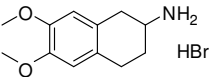




Certificate of Analysis

| Axon Catalogue ID: | 1043 | Batch Number: | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|--|-------------------------------------|--------------------|-----------------|---------|-------|-------|-------|--|-----------|--|--|--|----------|--|--|--|------|--|--|--|------|--|--|--|--|--|
| Product Name: | 6,7-Dimethoxy-2-aminotetralin hydrobromide | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alternative Name(s): | N.A. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IUPAC Name: | 6,7-dimethoxy-1,2,3,4-tetrahydronaphthalen-2-amine hydrobromide | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Structure: |  | Amount: | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAS number: | 67445-12-9 (FB) | Batch MW: | 288.18 | | | | | | | | | | | | | | | | | | | | | | | | |
| Batch Molecular Formula: | C ₁₂ H ₁₇ NO ₂ .HBr | Observed m.p.: | 177-179 °C | | | | | | | | | | | | | | | | | | | | | | | | |
| Appearance: | Off-white Solid | Wavelength for purity check: | 201 nm | | | | | | | | | | | | | | | | | | | | | | | | |
| TLC (R_f): | 0.8 4:1 DCM/Methanol | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chemical Purity: | >99% | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Optical Purity (ee): | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ¹H-NMR (300 MHz): | Analytical data confirm chemical structure | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mass Spec: | Analytical data confirm chemical structure | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Microanalysis: | Not available | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Storage Conditions: | Desiccate at | <4 °C | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solubility Data: | <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>20.00</td><td>69.40</td><td></td></tr><tr><td>1eq. NaOH</td><td></td><td></td><td></td></tr><tr><td>1eq. HCl</td><td></td><td></td><td></td></tr><tr><td>DMSO</td><td></td><td></td><td></td></tr><tr><td>EtOH</td><td></td><td></td><td></td></tr></tbody></table> | Solvent | Solubility (mg/ml) | Solubility (mM) | Remarks | Water | 20.00 | 69.40 | | 1eq. NaOH | | | | 1eq. HCl | | | | DMSO | | | | EtOH | | | | | |
| Solvent | Solubility (mg/ml) | Solubility (mM) | Remarks | | | | | | | | | | | | | | | | | | | | | | | | |
| Water | 20.00 | 69.40 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1eq. NaOH | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1eq. HCl | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DMSO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EtOH | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quality controller: | M. Brandsma, MSc. | Date: | 02-05-2011 | | | | | | | | | | | | | | | | | | | | | | | | |

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 indicating Axon Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only