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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Name</b>      | : ICI 118,551 hydrochloride                                                                                                                                           |
| <b>Synonyms</b>          | : ICI 118551 hydrochloride                                                                                                                                            |
| <b>Cat No.</b>           | : M24738                                                                                                                                                              |
| <b>CAS Number</b>        | : 72795-01-8                                                                                                                                                          |
| <b>Molecular Formula</b> | : C <sub>17</sub> H <sub>28</sub> ClNO <sub>2</sub>                                                                                                                   |
| <b>Formula Weight</b>    | : 313.9                                                                                                                                                               |
| <b>Chemical Name</b>     | : —                                                                                                                                                                   |
| <b>Description</b>       | : ICI 118,551 is a highly selective $\beta_2$ adrenergic receptor antagonist ( $K_{is}$ : 0.7, 49.5, and 611 nM for $\beta_2$ , $\beta_1$ , and $\beta_3$ receptors). |
| <b>Pathway</b>           | : Others                                                                                                                                                              |
| <b>Target</b>            | : Other Targets                                                                                                                                                       |
| <b>Receptor</b>          | : $\beta_2$ receptor; $\beta_1$ receptor; $\beta_3$ receptor                                                                                                          |
| <b>Solubility</b>        | : DMSO : 20 mg/mL (63.72 mM; Need ultrasonic) H <sub>2</sub> O : 11 mg/mL (35.05 mM; Need ultrasonic)                                                                 |
| <b>SMILES</b>            | : <chem>CC1=C(CCC2)C2=C(OC[C@H](O)[C@@H](C)NC(C)C)C=C1.[H]Cl</chem>                                                                                                   |
| <b>Storage</b>           | : (-20°C)                                                                                                                                                             |
| <b>Stability</b>         | : $\geq 2$ years                                                                                                                                                      |
| <b>Reference</b>         | :                                                                                                                                                                     |

1. Yasuda G, et al. The beta 1- and beta 2-adrenoceptor subtypes in cultured rat inner medullary collecting duct cells. Am J Physiol. 1996 Sep;271(3 Pt 2):F762-9.