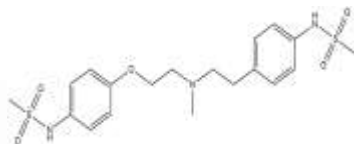


**PRODUCT: Dofetilide****RELATED PRODUCTS:**Atpenin A5 (Synthetic) **(2210)**NS-1643 **(B1138)****ALTERNATE NAME:** 1-(4-Methanesulphonamidophenoxy)-2-[N-(4-methanesulphonamidophenethyl)-N-methylamino]ethane**CATALOG #:** B1189-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>19</sub>H<sub>27</sub>N<sub>3</sub>O<sub>5</sub>S<sub>2</sub>**MOLECULAR WEIGHT:** 441.56**CAS NUMBER:** 115256-11-6**APPEARANCE:** White Solid**SOLUBILITY:** DMSO (25 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.**DESCRIPTION:** Dofetilide is a class III antiarrhythmic agent and inhibits the rapid delayed rectifier K<sup>+</sup> current (IKr) with IC<sub>50</sub> values of 31.5 nM in guinea pig cardiomyocytes. At higher doses it demonstrates pro-arrhythmic activity in cell models. Therefore, dofetilide has been cautiously used in the treatment of atrial fibrillation, the conversion of flutter to sinus rhythm and in the maintenance of sinus rhythm after conversion.**REFERENCES:** Snyders, D.J, and Chaudhary, A. (1996). *Mol. Pharmacol.* **49**, 949-955.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**USAGE:** ***FOR RESEARCH CH USE ONLY! Not to be used in humans***