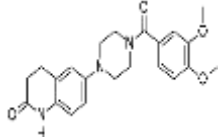


PRODUCT: Vesnarinone**ALTERNATE NAMES:** 6-[4-(3,4-dimethoxybenzoyl)piperazin-1-yl]-3,4-dihydro-1H-quinolin-2-one; RG-0210; OPC8212**CATALOG NUMBER:** B2008-5,25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₂H₂₅N₃O₄**MOLECULAR WEIGHT:** 395.46**CAS NUMBER:** 81840-15-5**APPEARANCE:** Crystalline solid**SOLUBILITY:** DMSO**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** Vesnarinone is a novel inotropic agent that displays unique and complex mechanisms of action. It inhibits phosphodiesterase, thereby leading to increased intracellular calcium, and also affects numerous myocardial ion channels, resulting in the prolongation of the opening time of sodium channels and the decrease in the delayed outward and inward rectifying potassium current. In vitro, it has also demonstrates significant effects on cytokine production.**REFERENCES:** Cavusoglu, E., *et al.* (1995). *J. Card. Fail.* **1**, 249-257.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Apremilast (**Cat. No. 2352-5, 25**)Cilostamide (**Cat. No. 2560-5, 25**)Cilostazol (**Cat. No. 2393-5, 25**)GSK-356278 (**Cat. No. B1292-5,25**)IBMX (**Cat. No. 1714-100**)Milrinone (**Cat. No. 2163-5, 25**)PhosphoSeek™ PDE5 A Assay Kit (**Cat. No. K705-400**)PDE3 Antibody (**Cat. No. 3956-200**)PF-04447943 (**Cat. No. B1264-5,25**)Pimobendan (**Cat. No. 9676-50, 250**)(R,S)-Rolipram (**Cat. No. 2010-5**)RO 20-1724 (**Cat. No. 2042-50, 250**)Roflumilast (**Cat. No. 2675-10, 50**)Sildenafil Citrate (**Cat. No. 2872-10,50**)TAK-063 (**Cat. No. B1067-10, 50**)Zaprinast (**Cat. No. 1715-25**)**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**