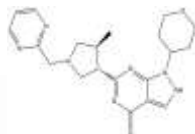


PRODUCT: PF-04447943**ALTERNATE NAME:** 6-[(3S,4S)-4-methyl-1-(pyrimidin-2-ylmethyl)pyrrolidin-3-yl]-1-(oxan-4-yl)-2H-pyrazolo[3,4-d]pyrimidin-4-one**CATALOG #:** B1264-5,25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₀H₂₅N₇O₂**MOLECULAR WEIGHT:** 395.46**CAS NUMBER:** 1082744-20-4**APPEARANCE:** Crystalline solid**SOLUBILITY:** DMSO**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.**DESCRIPTION:** PF-04447943 is a potent, brain-penetrant and selective inhibitor of PDE9 (Phosphodiesterase 9) (K_i of 2.8, 4.5 and 18 nM for human, rhesus and rat recombinant PDE9 respectively). Displays high selectivity for PDE9 versus PDEs1-8 and 10-11.**REFERENCES:** Hutson, P.H., *et al.* (2011). *Neuropharmacology* **61**, 665-676.**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**)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 CH USE ONLY! Not to be used in humans**