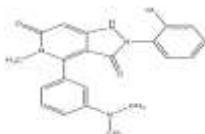


PRODUCT: GKT-137831**ALTERNATE NAME:** 2-(2-chlorophenyl)-4-[3-(dimethylamino)phenyl]-5-methyl-1H-pyrazolo[4,3-c]pyridine-3,6(2H,5H)-dione**CATALOG #:** 9444-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₁H₂₀ClN₄O₂**MOLECULAR WEIGHT:** 394.85**CAS NUMBER:** 1218942-37-0**APPEARANCE:** Light yellow to yellow solid**SOLUBILITY:** DMSO**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** GKT-137831 is a novel pyrazolopyridinedione derivative that acts as a Nox4 and Nox1 inhibitor (K_i 100–150 nM). GKT-137831 attenuates hypoxia-induced pulmonary vascular cell proliferation. Also a potent inhibitor of fibrosis and hepatocyte apoptosis.**REFERENCES:** Green, D.E., *et al.* (2012). *Am. J. Respir. Cell Mol. Biol.* **47**, 718-726.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Ascorbic Acid Assay Kit (**Cat. No. K661-100**)Ascorbic Acid Assay Kit II (FRASC) (**Cat. No. K671-100**)Caffeic Acid (**Cat. No. 2006-100, 500**)Carnosic Acid (**Cat. No. 2075-5, 25**)Catalase Assay kit (**Cat. No. K773-100**)Deferoxamine Mesylate (**1883-500, 1000**)(-)-Epigallocatechin gallate (**Cat. No. 1841-50**)FeTPPS (**Cat. No. 2065-25, 100**)Glutathione (GSH/GSSG Total) Assay Kit (**Cat. No. K264-100**)Glutathione Colorimetric Assay Kit (**Cat. No. K261-100**)Glutathione Fluorometric Assay Kit (**Cat. No. K251-100**)Glutathione Peroxidase Assay Kit (**Cat. No. K762-100**)Glutathione Reductase Assay Kit (**Cat. No. K761-100**)GST Colorimetric Assay Kit (**Cat. No. K263-100**)GST Fluorometric Assay Kit (**Cat. No. K263-100**)Hydrogen Peroxide Assay Kit (**Cat. No. K265-100**)Luteolin (**Cat. No. 2005-5, 25**)MnTBAP Chloride (**Cat. No. 2058-10, 50**)MnTMPyp Pentachloride (**Cat. No. 2056-10, 50**)Nitric Oxide Colorimetric Assay Kit (**Cat. No. K263-100**)Nitric Oxide Fluorometric Assay Kit (**Cat. No. K252-100**)Piceatannol (**Cat. No. 2072-5, 25**)Piperlongumine (**Cat. No. 1919-10, 50**)Piperlonguminine (**Cat. No. 1988-10, 50**)Pterostilbene (**Cat. No. 2073-5, 25**)Resveratrol (**Cat. No. 1758-100, 500**)Rhapontigenin (**Cat. No. 2074-1, 5**)Rosmarinic Acid (**Cat. No. 1843-50, 250**)SOD Activity Assay Kit (**Cat. No. K335-100**)Thioredoxin Reductase Assay Kit (**Cat. No. K763-100**)Tiliroside (**Cat. No. 1879-1,5**)Total Antioxidant Capacity Assay Kit (**Cat. No. K274-100**)Trolox (**Cat. No. 2076-50, 250**)Uric Acid Assay Kit (**Cat. No. K608-100**)Xanthine Oxidase Assay Kit (**Cat. No. K710-100**)**USAGE:****FOR RESEARCH CH USE ONLY! Not to be used in humans**