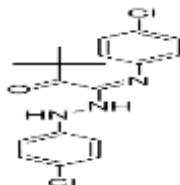


PRODUCT: TY-52156**ALTERNATE NAME:** N-(4-Chlorophenyl)-3,3-dimethyl-2-oxobutanimidic 2-(4-chlorophenyl) hydrazide**CATALOG #:** B1582-5,25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₈H₁₉Cl₂N₃O**MOLECULAR WEIGHT:** 364.27**CAS NUMBER:** 934369-14-9**APPEARANCE:** Yellow solid**SOLUBILITY:** DMSO (>35 mg/ml) or EtOH (>30 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** TY-52156 is a novel S1P3 receptor antagonist (K_i = 110 nM). It preferentially inhibits the S1P-induced increase in intracellular calcium in Chinese hamster ovary cells expressing S1P3 over cell expressing S1P1, S1P2, or S1P4. TY-52156 has been shown to suppress FTY720-induced S1P3receptor-mediated coronary flow in isolated perfused rat hearts. TY-52156 can also inhibit S1P-induced breast cancer stem cell expansion in vitro.**REFERENCES:** Murakami, A., *et al.* (2010). *Mol. Pharmacol.* **77**, 704-713.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**A37 (**B1577**)BRD7116 (**B1578**)Galieallactone (**Cat. No. 2623-100, 500**)ITE (**B1579**)ML243 (**Cat. No. 2515-5,25**)Cancer Cell Stemness Inhibitor, BBI608 (**Cat. No. 2476-5,25**)SC-26196 (**B1580**)Thioridazine Hydrochloride (**B1581**)TY-52156 (**B1582**)Verteporfin (**B1583**)**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**