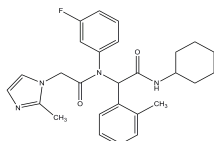


**RELATED PRODUCTS:**Isocitrate Colorimetric Assay Kit (**Cat. No. K656-100**)Isocitrate Dehydrogenase Activity Colorimetric Assay Kit (**Cat. No. K756-100**)Human Recombinant IDH1 (**Cat. No. 6379-100**)**PRODUCT: AGI-5198****ALTERNATE NAME:** N-[2-(cyclohexylamino)-1-(2-methylphenyl)-2-oxoethyl]-N-(3-fluorophenyl)-2-methyl-1H-imidazole-1-acetamide; IDH-C35**CATALOG #:** 2369-1, 5**AMOUNT:** 1 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>27</sub>H<sub>31</sub>FN<sub>4</sub>O<sub>2</sub>**MOLECULAR WEIGHT:** 462.56**CAS NUMBER:** 1355326-35-0**APPEARANCE:** Crystalline solid**SOLUBILITY:** DMSO (~25 mg/ml) or Ethanol (~ 15 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** At -20°C. Protect from light and moisture**DESCRIPTION:** A potent, selective inhibitor of mutant IDH1 (isocitrate dehydrogenase 1). AGI-5198 inhibits IDH1 R132H and R132C mutants in vitro with IC<sub>50</sub> values of 0.07 and 0.16 μM, respectively, but not wild-type IDH1, wild-type IDH2, or IDH2 mutants (IC<sub>50</sub>s > 100 μM). Under conditions of near complete 2-HG (2-hydroxyglutarate) inhibition, AGI-5198 can induce demethylation of histone H3K9me3 and expression of genes associated with gliogenic differentiation.**REFERENCE:** Rohle, D., *et al.* (2013). *Science* **340**, 626-630; Popovici-Muller, J., *et al.* (2012). *ACS Med. Chem. Lett.* **3**, 850-855.**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**