

PRODUCT: AG-221 (Enasidenib)**RELATED PRODUCTS:**

AGI-5198 (2369)

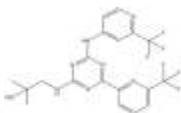
AGI-6780 (9624)

ALTERNATE NAME: 2-methyl-1-((4-(6-(trifluoromethyl)pyridin-2-yl)-6-((2-(trifluoromethyl)pyridin-4-yl)amino)-1,3,5-triazin-2-yl)amino)propan-2-ol

CATALOG #: B1070-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₉H₁₇F₆N₇O

MOLECULAR WEIGHT: 473.38

CAS NUMBER: 1446502-11-9

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (>30 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20°C. Protect from air and light

DESCRIPTION: AG-221(Enasidenib) is a potent, selective, and reversible inhibitor of mutant IDH2 (isocitrate dehydrogenase type 2). It specifically inhibits IDH2 in the mitochondria, blocking the formation of oncometabolite 2-hydroxyglutarate (2HG). In in vitro studies, AG-221 reduces 2-HG levels by >90%, reverses histone and DNA hypermethylation, and induces cellular differentiation in leukemia cell models.

REFERENCES: Caino, M.C. and Altieri, D.C. (2016). *Clin. Cancer Res.* **22**, 540-545.

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**