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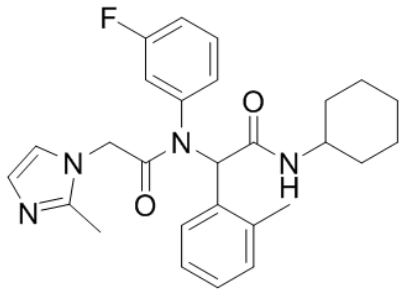
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	AGI-5198
Cat. No.	:	PC-45413
CAS No.	:	1355326-35-0
Molecular Formula	:	$C_{27}H_{31}FN_4O_2$
Molecular Weight	:	462.5591
Target	:	Isocitrate Dehydrogenase (IDH)
Solubility	:	DMSO: ≥ 34 mg/mL



Biological Activity

AGI-5198 (IDH-C35) is a potent, selective **mutant IDH1** inhibitor with IC50 of 70 nM and 160 nM for R132H-IDH1 and R132C-IDH1, respectively.
AGI-5198 shows no inhibitory activity for wild type IDH1, IDH2, R140Q-IDH2, R172K-IDH2.
AGI-5198 induces demethylation of histone H3K9me3 and expression of genes associated with gliogenic differentiation, impairs the growth of IDH1-mutant glioma cells.
AGI-5198 decreases levels of D-2-HG in chondrosarcoma cell lines.

References

Rohle D, et al. ***Science.*** 2013 May 3;340(6132):626-30.

Suijker J, et al. ***Oncotarget.*** 2015 May 20;6(14):12505-19.

Molenaar RJ, et al. ***Cancer Res.*** 2015 Nov 15;75(22):4790-802.

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