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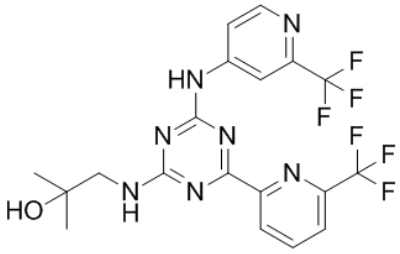
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Enasidenib
Cat. No.	:	PC-45529
CAS No.	:	1446502-11-9
Molecular Formula	:	$C_{19}H_{17}F_6N_7O$
Molecular Weight	:	473.375
Target	:	Isocitrate Dehydrogenase (IDH)
Solubility	:	10 mM in DMSO



Biological Activity

Enasidenib (AG-221, CC-90007) is an orally available, selective, potent inhibitor of **mutant IDH2** with IC50s of 100-400 nM for IDH2R140Q homodimer, IDH2R172K homodimer and IDH2WT/R140Q, IDH2WT/R172K.
Enasidenib (AG-221, CC-90007) is less potent for IDH2WT homodimer and IDH1WT homodimer.
Enasidenib (AG-221, CC-90007) suppresses 2HG production and induces cellular differentiation in primary human IDH2 mutation-positive AML cells ex vivo and in xenograft mouse models.

References

Yen K, et al. ***Cancer Discov.*** 2017 May;7(5):478-493.

Kats LM, et al. ***Leukemia.*** 2017 Apr 11. doi: 10.1038/leu.2017.84.

Shih AH, et al. ***Cancer Discov.*** 2017 May;7(5):494-505.

E-mail: tech@probechem.com