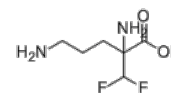


Product Name : DFMO
Cat. No. : PC-36049
CAS No. : 70052-12-9
Molecular Formula : C₆H₁₂F₂N₂O₂
Molecular Weight : 182.171
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

DFMO (MDL71782, RMI71782, α -difluoromethylornithine, Eflornithine) is an irreversible inhibitor of **ornithine decarboxylase (ODC)**, inhibits polyamine biosynthesis.

DFMO displays antiapoptotic, antiangiogenic and antiparasitic activity, synergistically reduces cell viability in NB cells when combined with AMXT-1501, reduces tumor progression and prolongs survival in mouse models of neuroblastoma combined with DFMO.

References

Gamble LD, et al. *Sci Transl Med*. 2019 Jan 30;11(477). pii: eaau1099. doi: 10.1126/scitranslmed.aau1099.

Wu Y, et al. *Biochem J*. 2012 Mar 15;442(3):693-701.

Carrillo C, et al. *Biochem Biophys Res Commun*. 2000 Dec 20;279(2):663-8.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com