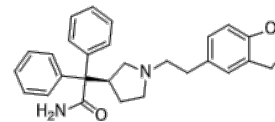


Product Name : Darifenacin
Cat. No. : PC-23023
CAS No. : 133099-04-4
Molecular Formula : C₂₈H₃₀N₂O₂
Molecular Weight : 426.56
Target : mAChR
Solubility : 10 mM in DMSO



Biological Activity

Darifenacin (UK-88525) is a potent, selective M₃ muscarinic receptor antagonist with pK_i of 8.9, also inhibits CHI3L1 (Chitinase 3-like 1) and PDAC cell growth.

Darifenacin (UK-88525) exerts non-parallel rightward displacement of the agonist curve and also significant depression of the maximum response (+)-cis-Dioxolane produced concentration-dependent contraction of the isolated bladder of rats.

Darifenacin (UK-88525) sensitized PDAC cells to standard chemotherapies.

References

Hegde SS, et al. Br J Pharmacol, 1997, 120(8), 1409-1418.

Sousa SM, et al. Cancer Chemother Pharmacol. 2024 Sep 3. doi: 10.1007/s00280-024-04712-1.

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

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