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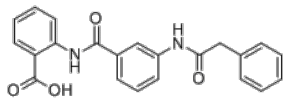
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Compound 3289-8625
Cat. No.	:	PC-49501
CAS No.	:	294891-81-9
Molecular Formula	:	$C_{22}H_{18}N_2O_4$
Molecular Weight	:	374.40
Target	:	Dishevelled
Solubility	:	10 mM in DMSO



Biological Activity

BML-286 (Compound 3289-8625) is a small molecule inhibitor of the PDZ domain of **dishevelled** (Dvl) with KD of 10.6 uM, competitively inhibits the **Wnt signaling**.
Compound 3289-8625 (3 uM) inhibits Wnt signaling, effectively reduces luciferase activity by about 2-fold 293 cell line stably transfected with a luciferase reporter.
Compound 3289-8625 is cell-permeable and 3289-8625 (10 uM) blocks Wnt signaling in Xenopus, inhibits Wnt pathway responses in culture and in vivo.
Compound 3289-8625 suppresses cell proliferation and reduces β-catenin level in prostate cancer PC-3 cells, decreases the levels of β-catenin in both cytosolic fraction and membrane fraction.
Compound 3289-8625 sensitized A2780/Taxol cells to paclitaxel.

References

David Grandy, et al. ***J Biol Chem***. *2*009 Jun 12;284(24):16256-16263.

E-mail: tech@probechem.com