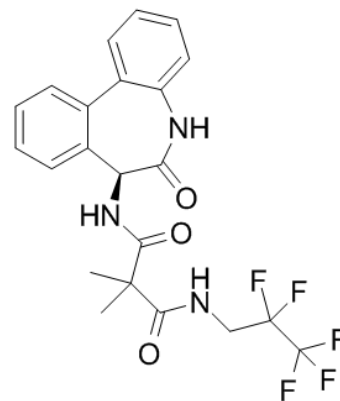


Product Name : RO4929097
Cat. No. : PC-42810
CAS No. : 847925-91-1
Molecular Formula : C₂₂H₂₀F₅N₃O₃
Molecular Weight : 469.4045
Target : γ -secretase
Solubility : DMSO: \geq 49 mg/mL



Biological Activity

RO4929097 (RG 4733) is a potent, selective, orally active **γ -secretase** inhibitor with IC₅₀ of 4 nM, inhibits **Notch** processing in the Notch cell-based reporter assay with IC₅₀ of 5 nM.

RO4929097 (RG 4733) displays >100-fold selectivity against a panel of 75 other proteins of various types including receptors, ion channels and enzymes.

RO4929097 (RG 4733) inhibits Notch processing in human tumor-derived cells, inhibits the production of ICN, reducing the expression of the downstream Notch target Hes1 in A549 cells.

RO4929097 (RG 4733) demonstrates in vivo efficacy in A549 xenograft model.

References

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Kaur G, et al. *Cancer Lett.* 2016 Feb 28;371(2):225-39.

He W, et al. *Mol Oncol.* 2011 Jun;5(3):292-301.

Luistro L, et al. *Cancer Res.* 2009 Oct 1;69(19):7672-80.

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

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