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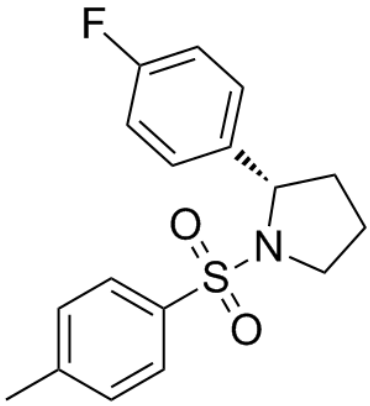
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Ro 67-7476
Cat. No.	:	PC-42135
CAS No.	:	298690-60-5
Molecular Formula	:	$C_{17}H_{18}FNO_2S$
Molecular Weight	:	319.3937
Target	:	mGluR
Solubility	:	DMSO: ≥ 40 mg/mL



Biological Activity

Ro 67-7476 is a potent, selective positive allosteric modulator (potentiator) of rat **mGlu1R** with pEC50 of 6.76 for the potentiation of 3 uM glutamate-induced Ca2+ int currents.
Ro 67-7476 also is a potent **p-ERK1/2** agonist and activates ERK1/2 phosphorylation in the absence of exogenously added glutamate
Ro 67-7476 has no activity for mGluR5 at 1 uM and Adrenergic α1, α2, β1, β2 and GABAA at 10 uM.
Ro 67-7476 has no effect on the glutamate-induced currents in human mGlu1a receptor-expressing cells.

References

Hemstapat K, et al. ***Mol Pharmacol.*** 2006 Aug;70(2):616-26.

Knoflach F, et al. ***Proc Natl Acad Sci U S A.*** 2001 Nov 6;98(23):13402-7.

Sheffler DJ, et al. ***Neuropharmacology.*** 2008 Sep;55(4):419-27.

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