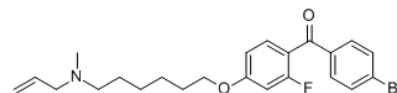


Product Name : Ro 48-8071
Cat. No. : PC-45492
CAS No. : 161582-11-2
Molecular Formula : C₂₃H₂₇BrFNO₂
Molecular Weight : 448.3684
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Ro 48-8071 is a potent **2,3-oxidosqualene cyclase (OSC)** inhibitor with IC₅₀ of 6.5 nM.

Ro 48-8071 is 6 times less potent against hamster and Gottingen minipig liver OSC, and 10-times more potent against squirrel monkey liver OSC.

Ro 48-8071 blocks human liver OSC and cholesterol synthesis in HepG2 cells in the nanomolar range.

Ro 48-8071 triggers the production of monooxidosqualene, dioxidosqualene, and epoxycholesterol.

References

Morand OH, et al. J Lipid Res. 1997 Feb;38(2):373-90.

Peffley DM, et al. Biochem Pharmacol. 1998 Aug 15;56(4):439-49.

Liang Y, et al. Onco Targets Ther. 2016 May 30;9:3223-32.

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

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