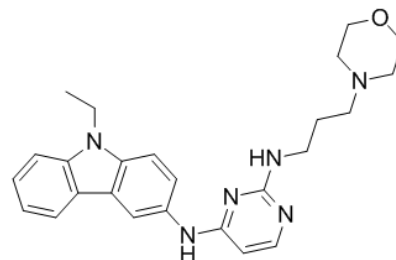


Product Name : EHOp-016
Cat. No. : PC-43223
CAS No. : 1380432-32-5
Molecular Formula : C₂₅H₃₀N₆O
Molecular Weight : 430.5453
Target : Small GTPase
Solubility : DMSO: ≥ 32 mg/mL



Biological Activity

EHOp-016 is a specific **Rac GTPase** inhibitor with IC₅₀ of 1.1 μM, which is 100-fold lower than for NSC23766, EHOp-016 is specific for Rac1 and Rac3 at <5 μM.

EHOp-016 also inhibits the close homolog Cdc42 at higher concentrations; inhibits Rac activity in the MDA-MB-435 metastatic cancer cells that overexpress Rac and exhibits high endogenous Rac activity.

EHOp-016 inhibits the association of Vav2 with a nucleotide-free Rac1(G15A) in MDA-MB-435 cells.

EHOp-016 also inhibits the Rac activity of MDA-MB-231 metastatic breast cancer cells and reduces Rac-directed lamellipodia formation in both cell lines, decreases Rac downstream effects of PAK1 activity and directed migration of metastatic cancer cells.

EHOp-016 inhibits mammary tumor growth and metastasis in nude mouse model.

References

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Martin H, et al. *J Clin Invest*. 2013 Oct;123(10):4449-63.

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

E-mail: tech@probechem.com