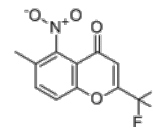


Product Name : Bragsin1
Cat. No. : PC-36077
CAS No. : 369631-68-5
Molecular Formula : C₁₁H₆F₃NO₄
Molecular Weight : 273.167
Target : Small GTPase
Solubility : 10 mM in DMSO



Biological Activity

Bragsin1 (Bragsin 1) is a specific inhibitor of the **ArfGEF BRAG2**, affects the trans-Golgi network in a BRAG2- and Arf-dependent manner in cells (IC₅₀=3 μM).

Bragsin1 binds at the interface between the PH domain of BRAG2 and the lipid bilayer to render BRAG2 unable to activate lipidated Arf, requires membranes for specific inhibition of BRAG2.

Bragsin1 affects tumorsphere formation in breast cancer cell lines.

Bragsin1 and Bragsin 2 are novel compounds that function by altering protein-membrane interactions without disruption.

References

Nawrotek A, et al. *Nat Chem Biol*. 2019 Feb 11. doi: 10.1038/s41589-019-0228-3.

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

E-mail: tech@probechem.com