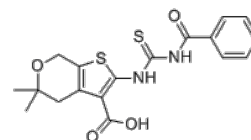


Product Name : ML282
Cat. No. : PC-62365
CAS No. : 314042-01-8
Molecular Formula : C₁₈H₁₈N₂O₄S₂
Molecular Weight : 390.472
Target : Small GTPase
Solubility : 10 mM in DMSO



Biological Activity

ML282 (CID 1067700) is a competitive small molecule inhibitor of nucleotide binding by **Ras-related GTPases**, binds the nucleotide binding pocket of **Rab7** with K_i value of 13 nM.

ML282 prevents BODIPY-linked GTP and GDP binding with EC₅₀ values of 11.2 and 21 nM, respectively.

ML282 suppresses T cell-dependent and T cell-independent Ab responses.

References

Agola JO, et al. *ACS Chem Biol.* 2012 Jun 15;7(6):1095-108.

Lam T, et al. *J Immunol.* 2016 Nov 15;197(10):3792-3805.

Agola JO, et al. *Methods Mol Biol.* 2015;1298:331-54.

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

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