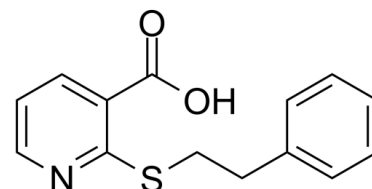


Data Sheet

Product Name:	ML-099
Cat. No.:	CS-0086181
CAS No.:	496775-95-2
Molecular Formula:	C ₁₄ H ₁₃ NO ₂ S
Molecular Weight:	259.32
Target:	Ras
Pathway:	GPCR/G Protein
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

ML-099 (CID-888706) is a pan **Ras-related GTPases** activator that can activate **Rac1**, **cell division cycle 42**, **Ras**, **Rab7**, and **Rab-2A**^[1]. **In Vitro:** ML-099 activates cell division cycle 42 activated mutant, cell division cycle 42 wild type, Ras protein wild type, GTP-binding protein (Rab7), Rab-2A, Rac1 protein activated mutant, Rac1 protein wild type, and Ras protein activated mutant with EC₅₀ values of 58.88 nM, 100 nM, 141.25 nM, 181.97 nM, 354.81 nM, 25.42 nM, 20.17 nM and 95.5 nM, respectively^[1].

References:

[1]. Surviladze, Z., et al. UNMCMD Probe Report: Three small molecule pan activator families of Ras-related GTPases. 1-42 (2010-2009 May 18).

CAIndexNames:

3-Pyridinecarboxylic acid, 2-[(2-phenylethyl)thio]-

SMILES:

OC(C1=CC=CN=C1SCCC2=CC=CC=C2)=O

Caution: Product has not been fully validated for medical applications. For research use only.

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