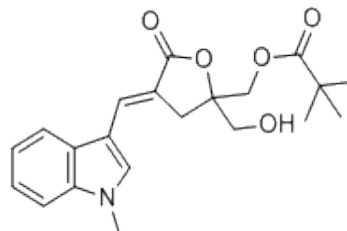


Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists

Product Name : RasGRP3 ligand 96
Cat.No. : URK-V2486
CAS No. : 2229068-13-5
Molecular Formula : $C_{21}H_{25}NO_5$
Molecular Weight : 371.433
Target :
Solubility :



Biological Activity

RasGRP3 ligand 96 is a potent inhibitor of RasGRP3 activity.

The mechanism of action of RasGRP3 ligand 96 is based on its ability to bind specifically to the regulatory domain of RasGRP3, thereby preventing its activation by upstream signaling molecules. This inhibition facilitates the regulation of downstream signaling processes, leading to positive outcomes in cell function.

The development of RasGRP3 inhibitors like RasGRP3 ligand 96 is of great significance for the treatment of various diseases, including cancer and autoimmune disorders. In cancer, samples from patients have shown an overexpression of RasGRP3, making it a promising therapeutic target. Additionally, in autoimmune disorders such as rheumatoid arthritis and multiple sclerosis, inhibition of RasGRP3 activity has been shown to alleviate symptoms.

References

1. Garaude, J., Kentache, T., Vanbervliet, B., & Delarue, M. (2017). Inhibition of RasGRP3 by ligand binding to the active site positively regulates calcium signaling in T cells. *Science Signaling*, 10(492), eaal0625.

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