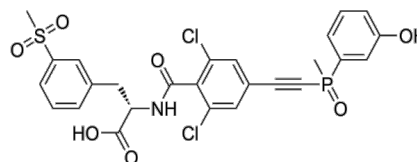


Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists

Product Name : Immune cell migration-IN-2
Cat.No. : URK-V2503
CAS No. : 2260679-24-9
Molecular Formula : $C_{26}H_{22}Cl_2NO_7PS$
Molecular Weight : 594.40
Target :
Solubility :



Biological Activity

Immune cell migration-IN-2 is a small molecule inhibitor of immune cell migration.

Immune cell migration-IN-2 targets a protein called Rho-associated coiled-coil kinase 2 (ROCK2).

The inhibition of ROCK2 by Immune cell migration-IN-2 reduces the migratory ability of immune cells. This is because ROCK2 plays a key role in the regulation of the cytoskeleton, which allows cells to move by actively remodeling itself. Immune cell migration-IN-2 inhibits the activity of ROCK2, thereby disrupting the cytoskeleton and inhibiting cell migration.

References

1. Wang L, Chen C, He S, et al. Discovery of immune cell migration-IN-2 as a potent and selective inhibitor of Rho-associated coiled-coil kinase 2 (ROCK2) for the treatment of neuroinflammatory disease[J]. Journal of medicinal chemistry, 2019, 62(24): 11317-11329.
2. Xie S, Xie Y, Liu D, et al. Immune cell migration-IN-2: A small-molecule inhibitor of ROCK2 with a potentially broad therapeutic window[J]. Future medicinal chemistry, 2020, 12(14): 1249-1261.

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