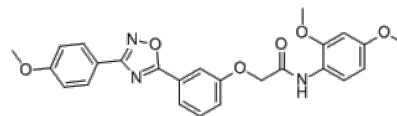


Product Name : TIM-3 inhibitor A-41
Cat. No. : PC-21023
CAS No. : 1113126-49-0
Molecular Formula : C₂₅H₂₃N₃O₆
Molecular Weight : 461.47
Target : Immune Checkpoints
Solubility : 10 mM in DMSO



CAS: 1113126-49-0

Biological Activity

TIM-3 inhibitor A-41 (TIM-3-IN-2) is small-molecule inhibitor of T-cell immunoglobulin and mucin domain 3 (**TIM-3**; HAVCR2) with SPR K_d value of 0.61 μ M.

TIM-3 inhibitor A-41 displays minimal inhibitory profile against a panel of immune checkpoints, including PD-1, CTLA4, LAG-3, VISTA, and TIGIT.

TIM-3 inhibitor A-41 demonstrates a remarkable ability to block TIM-3/CEACAM1 and TIM-3/PtdSer interactions at submicromolar concentrations, blocks the TIM-3/Gal-9 interaction in a cellular platform at 1 μ M.

TIM-3 inhibitor A-41 decreases the proliferation of THP-1 cells in a similar pattern to anti-TIM-3 mAb.

TIM-3 inhibitor A-41 rescues IFN γ (interferon γ) release from peripheral blood mononuclear cells (PBMCs) inhibited by recombinant TIM-3.

TIM-3 inhibitor A-41 (5 μ M) potentiates the ability of PBMCs to significantly inhibit the proliferation of Kasumi-1 cells (AML cell line) in the PBMCs/Kasumi-1 coculture assay.

References

Abdel-Rahman SA, et al. *J Med Chem.* 2023 Aug 11. doi: 10.1021/acs.jmedchem.3c00960.

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

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