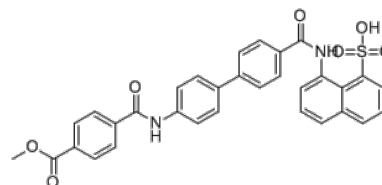


Product Name : DRI-C21045
Cat. No. : PC-62015
CAS No. : 2101765-81-3
Molecular Formula : C₃₂H₂₄N₂O₇S
Molecular Weight : 580.61
Target : Immune Checkpoints
Solubility : 10 mM in DMSO



Biological Activity

DRI-C21045 is a novel small-molecule inhibitor of **CD40-CD40L** protein-protein interaction with IC₅₀ of 0.17 μM in cell-based assays.

DRI-C21045 shows >100-fold selectivity in the ability to inhibit the CD40 vs the TNF interaction.

DRI-C21045 demonstrates concentration-dependent inhibition of CD40L-induced activation of NF-κB in cells with IC₅₀ of 17.1 μM, also inhibits CD40L-induced marker expression in THP cells and B cell activation.

DRI-C21045 inhibits alloantigen-induced immune response in mice model (20-60 mg/kg; s.c.; b.i.d.).

References

Chen J, et al. *J Med Chem*. 2017 Nov 9;60(21):8906-8922.

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

E-mail: tech@probechem.com