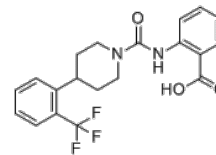


Product Name : A1120
Cat. No. : PC-20719
CAS No. : 1152782-19-8
Molecular Formula : C₂₀H₁₉F₃N₂O₃
Molecular Weight : 392.38
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 1152782-19-8

Biological Activity

A1120 is a high affinity, non-retinoid ligand for retinol-binding protein 4 (RBP4) with K_i of 8.3 nM, disrupts the interaction between RBP4 and its binding partner transthyretin (TTR).

A1120 does not bind to CRBP1 and is selective against a panel of G-protein-coupled receptor, kinase, and enzyme targets. A1120 binds to RBP4 with higher affinity than either retinol or fenretinide ($K_i=125$ nM for each).

A1120 (30 mg/kg, oral) decreases serum RBP4 and retinol levels in B6D2F1 mice, but does not improve insulin sensitivity.

References

Alykhan Motani, et al. J Biol Chem. 2009 Mar 20;284(12):7673-80.

Zajc CU, et al. Proc Natl Acad Sci U S A. 2020 Jun 30;117(26):14926-14935.

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

E-mail: tech@probechem.com