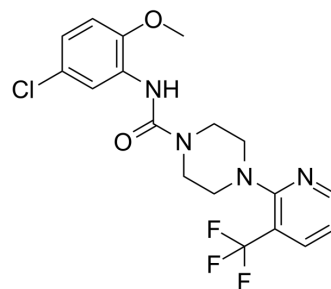


## RBP4 ligand-1

Cat. No.:	HY-147366
CAS No.:	260553-24-0
Molecular Formula:	C <sub>18</sub> H <sub>18</sub> ClF <sub>3</sub> N <sub>4</sub> O <sub>2</sub>
Molecular Weight:	414.81
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	RBP4 ligand-1 is a non-retinoid ligands for (RBP4) retinol-binding protein 4. The hRBP4 <sub>5PA</sub> IC <sub>50</sub> and RBP4-TTR FRET IC <sub>50</sub> values are 0.23±0.11 and 0.13±0.12 μM in the radioligand binding assay and FRET assay, respectively <sup>[1]</sup> .
<b>In Vitro</b>	Retinol-Binding Protein 4 (RBP4) is a physiological carrier of retinol (vitamin A) in blood, delivering retinol from the liver to peripheral tissues. RBP4 ligand-1 has the ability to disrupt the RBP4-TTR protein-protein interaction (hRBP4-TTR). The RBP4-TTR FRET IC <sub>50</sub> is 0.13±0.12 μM in FRET assay <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	RBP4 <del>xxx</del> MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Yingcai Wang, et al. Structure-assisted discovery of the first non-retinoid ligands for Retinol-Binding Protein 4. *Bioorg Med Chem Lett*. 2014 Jul 1;24(13):2885-91.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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