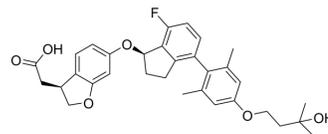


## BI-2081

Cat. No.:	HY-148247
CAS No.:	1458656-71-7
Molecular Formula:	C <sub>32</sub> H <sub>35</sub> FO <sub>6</sub>
Molecular Weight:	534.62
Target:	Free Fatty Acid Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

Description	BI-2081 is a GPR40 (FFAR1) partial agonist (EC <sub>50</sub> : 4 nM). BI-2081 induces glucose depending insulin secretion and reduces the plasma glucose concentration. BI-2081 can be used in the research of metabolic diseases, in particular diabetes type 2 <sup>[1]</sup> .
IC <sub>50</sub> & Target	GPR40 (FFAR1) <sup>[1]</sup>

## REFERENCES

[1]. Governa P, et al. FFAR1/GPR40: One target, different binding sites, many agonists, no drugs, but a continuous and unprofitable tug-of-war between ligand lipophilicity, activity, and toxicity. *Bioorg Med Chem Lett*. 2021 Jun 1;41:127969.

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

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