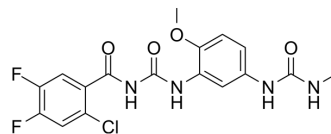


Glycogen phosphorylase-IN-1

Cat. No.:	HY-128029
CAS No.:	648926-15-2
Molecular Formula:	C ₁₇ H ₁₅ ClF ₂ N ₄ O ₄
Molecular Weight:	412.78
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Glycogen phosphorylase-IN-1 (Compound 42) is an inhibitor for human liver glycogen phosphorylase (hGPa) and hepatocyte glycogen-derived glucose production with IC ₅₀ s of 53 and 380 nM, respectively. Glycogen phosphorylase-IN-1 reveals efficacy towards type 2 diabetes ^[1] .								
In Vivo	<p>Glycogen phosphorylase-IN-1 (5 mg/kg, i.v., single dose) inhibits the glycogenolysis in hepatocytes, ameliorates the glucagon stimulated hyperglycemic in wistar rats^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Glucagon-stimulated hyperglycemic in wistar rats^[1]</td> </tr> <tr> <td>Dosage:</td> <td>5 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>i.v., single dose</td> </tr> <tr> <td>Result:</td> <td>Reduced blood glucose.</td> </tr> </table>	Animal Model:	Glucagon-stimulated hyperglycemic in wistar rats ^[1]	Dosage:	5 mg/kg	Administration:	i.v., single dose	Result:	Reduced blood glucose.
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Result:	Reduced blood glucose.								

REFERENCES

[1]. Klabunde T, et al., Acyl ureas as human liver glycogen phosphorylase inhibitors for the treatment of type 2 diabetes. J Med Chem. 2005 Oct 6;48(20):6178-93.

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

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