

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@hellobio.com



DATASHEET

CP-91149

Product overview

Name	CP-91149
Cat No	HB0215
Alternative names	CP-91,149
Biological action	Inhibitor
Description	Synthetic GP inhibitor

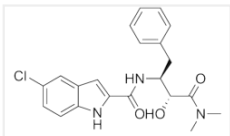
Biological Data

Biological description	Synthetic glycogen phosphorylase (GP) inhibitor ($IC_{50} = 0.5 \mu M$). Approx 5-to 10- fold less potent in the absence of glucose. Also inhibits glucagon-stimulated glycogenolysis ($IC_{50} = 2.1 \mu M$) and activates glycogen synthase. Displays growth inhibitory properties.
-------------------------------	---

Solubility & Handling

Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.
------------------	---

Chemical Data

Chemical name	5-Chloro-N-[(1S,2R)-3-(dimethylamino)-2-hydroxy-3-oxo-1-(phenylmethyl)propyl]-1H-indole-2-carboxamide
Molecular Weight	399.87
Chemical structure	
Molecular Formula	$C_{21}H_{22}ClN_3O_3$
CAS Number	186392-40-5

References

Inhibition of glycogen phosphorylase (GP) by CP-91,149 induces growth inhibition correlating with brain GP expression.

Schnier JB *et al* (2003) *Biochem Biophys Res Commun* 309(1)

PubMedID [12943673](#)

Discovery of a human liver glycogen phosphorylase inhibitor that lowers blood glucose in vivo.

Martin WH *et al* (1998) *Proc Natl Acad Sci U S A* 95(4)

PubMedID [9465093](#)

Hepatic glycogen synthesis is highly sensitive to phosphorylase activity: evidence from metabolic control analysis.

Aiston S *et al* (2001) *J Biol Chem* 276(26)

