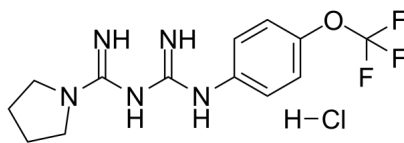


Data Sheet

Product Information

Catalog Number	BP13920
Product Name	HL271
Description	HL271, a derivative of metformin, is a potent AMPK activator that increases AMPK phosphorylation. HL271 attenuates aging-associated cognitive impairment.
In vitro	HL271 does not affect the expression of key factors involved in glucose homeostasis such as glucose-6-phosphatase (G6pase) or phosphoenolpyruvate carboxykinase 1 (Pck1).HL271 (0.31-10 μ M) phosphorylates AMPK α 1 Thr172 in a dose- and time-dependent manner in NIH3T3 mouse fibroblast cells.
In vivo	HL271 significantly attenuates the aging-induced decline in novel object recognition memory and spatial working memory. HL271 significantly increases AMPK activation in the hippocampus of aged mice.HL271 does not affect metabolic regulation assessed by body weight, blood glucose, insulin levels and lipid metabolite content in mice with diet-induced obesity.?HL271 (50 mg/kg;?for 2 months) does not affect body weight, general locomotion, or anxiety.
CAS No.	1422365-52-3
Chemical Formula	C13H17ClF3N5O
Molecular Weight	351.76
Solubility	
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure
OR
Tested Image



Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

v2 Revision on 12/28/2022