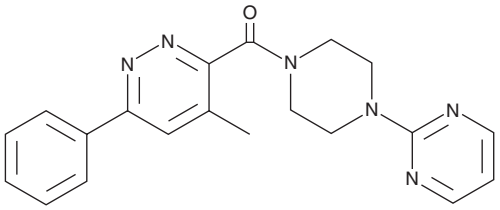
PRODUCT INFORMATION

GIBH-130

Item No. 46400

CAS Registry No.:	1252608-59-5
Formal Name:	(4-methyl-6-phenyl-3-pyridazinyl)[4-(2-pyrimidinyl)-1-piperazinyl]-methanone
MF:	$C_{20}H_{20}N_6O$
FW:	360.4
Purity:	≥98%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

GIBH-130 is supplied as a solid. A stock solution may be made by dissolving the GIBH-130 in the solvent of choice, which should be purged with an inert gas. GIBH-130 is slightly soluble (0.1-1 mg/ml) in acetonitrile:water (1:1).

Description

GIBH-130 is a neuroprotective agent that inhibits the production of IL-1β in LPS-stimulated N9 microglia (IC_{50} = 3.4 nM).[1] It increases IL-4 levels and reduces IL-6 levels in hippocampal homogenates from mice injected with amyloid-β (1-42) (Aβ42) and restores neuronal morphology in neurons from the same mice. Oral administration of GIBH-130 improves short- and long-term memory, visual recognition memory, and spatial reference memory in an APP/PS1 transgenic mouse model and a rat model of Alzheimer's disease.

Reference

1. Zhou, W., Zhong, G., Fu, S., *et al.* Microglia-based phenotypic screening identifies a novel inhibitor of neuroinflammation effective in alzheimer's disease models. *ACS Chem. Neurosci.* **7(11)**, 1499-1507 (2016).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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