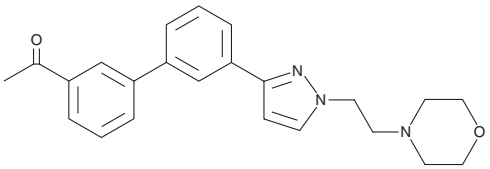
PRODUCT INFORMATION

LRH-1 Antagonist

Item No. 19893

CAS Registry No.:	1185410-60-9
Formal Name:	1-[3′-[1-[2-(4-morpholinyl)ethyl]-1H-pyrazol-3-yl][1,1′-biphenyl]-3-yl]-ethanone
Synonym:	Liver Receptor Homolog-1 Antagonist
MF:	$C_{23}H_{25}N_3O_2$
FW:	375.5
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

LRH-1 antagonist is supplied as a solid. A stock solution may be made by dissolving the LRH-1 antagonist in the solvent of choice, which should be purged with an inert gas. LRH-1 antagonist is sparingly soluble (1-10 mg/ml) in DMSO.

Description

LRH-1 antagonist is an antagonist of liver receptor homolog-1 (LRH-1; IC_{50} = 5 µM).[1] It is selective for LRH-1 over steroidogenic factor-1 (SF-1), also known as NR5A1, as well as estrogen receptor α (ERα), the androgen receptor, and thyroid hormone receptor β (TRβ) at 10 µM. LRH-1 antagonist inhibits the proliferation of LRH-1-positive AsPC-1 pancreatic cancer cells (IC_{50} = ~20 µM) but not LRH-1-negative L3.3 pancreatic cancer cells.

Reference

1. Benod, C., Carlsson, J., Uthayaruban, R., *et al.* Structure-based discovery of antagonists of nuclear receptor LRH-1. *J. Biol. Chem.* **288(27)**, 19830-19844 (2013).

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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