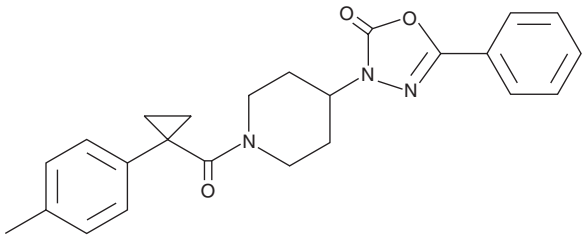
PRODUCT INFORMATION

ML-191

Item No. 15182

CAS Registry No.:	931695-79-3
Formal Name:	5-phenyl-3-(1-(1-(*p*-tolyl)cyclopropane-1-carbonyl)piperidin-4-yl)-1,3,4-oxadiazol-2(3H)-one
Synonyms:	CCG-152883, CID-23612552
MF:	$C_{24}H_{25}N_3O_3$
FW:	403.5
Purity:	≥98%
UV/Vis.:	λ_{max}: 269 nm
Supplied as:	A crystalline 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

ML-191 is supplied as a crystalline solid. A stock solution may be made by dissolving the ML-191 in the solvent of choice, which should be purged with an inert gas. ML-191 is soluble in the organic solvent DMSO at a concentration of approximately 5 mg/ml.

Description

ML-191 is an antagonist of GPR55.[1] It inhibits GPR55 signaling induced by lysophosphatidylinositol (LPI; EC_{50} = 1.076 µM in U2OS cells overexpressing GPR55). ML-191 inhibits LPI-induced phosphorylation of ERK1/2 (IC_{50} = 328 nM) and receptor-dependent translocation of PKCβII when used at a concentration of 30 µM.[1]

Reference

1. Heynen-Genel, S., Dahl, R., Shi, S., *et al.* Selective GPR55 antagonists: Screening for selective ligands for GPR55. *Probe Reports from the NIH Molecular Libraries Program* (2011).

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