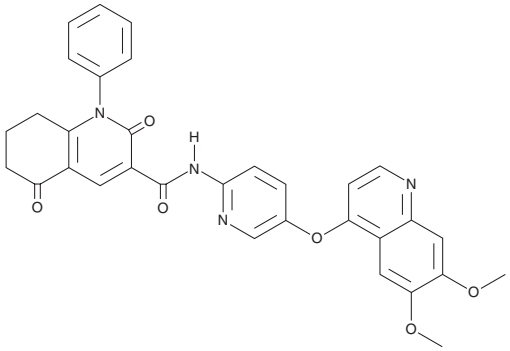
PRODUCT INFORMATION

ONO-7475

Item No. 33258

CAS Registry No.:	1646839-59-9
Formal Name:	N-[5-[(6,7-dimethoxy-4-quinolinyl)oxy]-2-pyridinyl]-1,2,5,6,7,8-hexahydro-2,5-dioxo-1-phenyl-3-quinolinecarboxamide
MF:	$C_{32}H_{26}N_4O_6$
FW:	562.6
Purity:	≥98%
UV/Vis.:	λ_{max}: 240, 279, 325 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

ONO-7475 is supplied as a crystalline solid. A stock solution may be made by dissolving the ONO-7475 in the solvent of choice, which should be purged with an inert gas. ONO-7475 is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of ONO-7475 in these solvents is approximately 30 mg/ml.

ONO-7475 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, ONO-7475 should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. ONO-7475 has a solubility of approximately 0.5 mg/ml in a 1:1 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

ONO-7475 is an inhibitor of the TAM family kinases Axl and Mer (IC_{50}s = 0.7 and 1 nM, respectively).[1] It is selective for Axl and Mer over FLT3 (IC_{50} = 147 nM). ONO-7475 (10 nM) reduces viability of, and induces apoptosis in, MOLM-13 and MV4-11 leukemia cells. *In vivo*, ONO-7475 (6 mg/kg) reduces leukemic burden and increases the median survival time in a MOLM-13 mouse xenograft model.

Reference

1. Ruvolo, P.P., Ma, H., Ruvolo, V.R., *et al.* Anexelekto/MER tyrosine kinase inhibitor ONO-7475 arrests growth and kills FMS-like tyrosine kinase 3-internal tandem duplication mutant acute myeloid leukemia cells by diverse mechanisms. *Haematologica* **102(12)**, 2048-2057 (2017).

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM