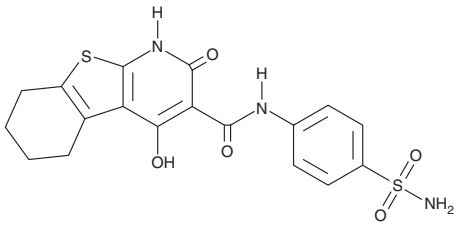
PRODUCT INFORMATION

M435-1279

Item No. 45401

CAS Registry No.:	1359431-16-5
Formal Name:	N-[4-(aminosulfonyl)phenyl]-1,2,5,6,7,8-hexahydro-4-hydroxy-2-oxo-[1]benzothieno[2,3-b]pyridine-3-carboxamide
MF:	$C_{18}H_{17}N_3O_5S_2$
FW:	419.5
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

M435-1279 is supplied as a solid. A stock solution may be made by dissolving the M435-1279 in the solvent of choice, which should be purged with an inert gas. M435-1279 is sparingly soluble (1-10 mg/ml) in DMSO.

Description

M435-1279 is an inhibitor of ubiquitin-conjugating enzyme E2T (UBE2T).[1] It binds to UBE2T (K_d = 50.5 µM), inhibits UBE2T-mediated degradation of receptor for activated C kinase 1 (RACK1), and reduces hyperactive Wnt/β-catenin signaling. M435-1279 reduces the viability of MKN45 and AGS gastric cancer cells when used at concentrations ranging from 4 to 32 µM. Intratumoral administration of M435-1279 (5 mg/kg per day) reduces tumor growth in an MKN45 mouse xenograft model.

Reference

1. Yu, Z., Jiang, X., Qin, L., *et al*. A novel UBE2T inhibitor suppresses Wnt/β-catenin signaling hyperactivation and gastric cancer progression by blocking RACK1 ubiquitination. *Oncogene* **40(5)**, 1027-1042 (2021).

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