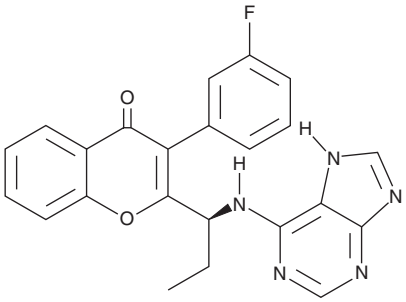
PRODUCT INFORMATION

Tenalisib

Item No. 30949



CAS Registry No.:	1639417-53-0
Formal Name:	3-(3-fluorophenyl)-2-[(1S)-1-(9H-purin-6-ylamino)propyl]-4H-1-benzopyran-4-one
Synonym:	RP 6530
MF:	$C_{23}H_{18}FN_5O_2$
FW:	415.4
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

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

Description

Tenalisib is an inhibitor of PI3Kδ and PI3Kγ (IC_{50}s = 24.5 and 33.2 nM, respectively).[1] It is greater than 300- and 120-fold selective for PI3Kδ and PI3Kγ, respectively, over PI3Kα and PI3Kβ. Tenalisib (10 µM) induces cell death in L-540, KM-H2, and L-428 Hodgkin lymphoma cells. It induces cell cycle arrest at the G_0/G_1 phase in the same cells. *In vivo*, tenalisib reduces tumor growth and vasculature, induces tumor necrosis, and induces the M_1 phenotype in tumor-associated macrophages (TAMs) in an L-540 mouse xenograft model.

Reference

1. Locatelli, S.L., Careddu, G., Serio, S., *et al.* Targeting cancer cells and tumor microenvironment in preclinical and clinical models of Hodgkin lymphoma using the dual PI3Kδ/γ inhibitor RP6530. *Clin. Cancer Res.* **25(3)**, 1098-1112 (2019).

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