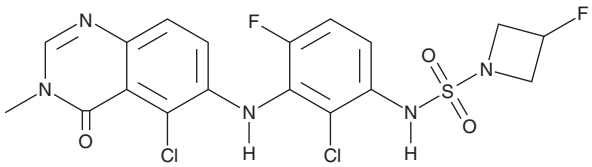
PRODUCT INFORMATION

Claturafenib

Item No. 46300

CAS Registry No.:	1022367-69-6
Formal Name:	N-[2-chloro-3-[(5-chloro-3,4-dihydro-3-methyl-4-oxo-6-quinazolinyl)amino]-4-fluorophenyl]-3-fluoro-1-azetidinesulfonamide
Synonyms:	ARRY-440, PF-07799933
MF:	$C_{18}H_{15}Cl_2F_2N_5O_3S$
FW:	490.3
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

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

Description

Claturafenib is a pan-mutant B-RAF inhibitor.[1] It inhibits heterodimer formation between C-RAF and B-RAF in melanoma cells expressing the B-RAF^{V600E} activating mutation or the p61-B-RAF^{V600E} splice variant but not wild-type B-RAF. Claturafenib reduces phosphorylated ERK levels in cell lines harboring various B-RAF mutations (IC_{50}s = 0.7-179 nM) and decreases tumor volume in multiple mouse xenograft models of mutant B-RAF-expressing cancers.

Reference

1. Liu, X., Zhang, L., Wan, H., *et al.* Discovery and preclinical evaluations of WX-0593, a novel ALK inhibitor targeting crizotinib-resistant mutations. *Bioorg. Med. Chem. Lett.* **66**, 128730 (2022).

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
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