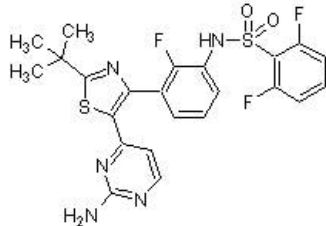


Product datasheet

Dabrafenib, mutant B-Raf V600E inhibitor ab222019

1 Image

Overview

Product name	Dabrafenib, mutant B-Raf V600E inhibitor
Description	Potent mutant B-Raf V600E inhibitor
Biological description	Potent, ATP-competitive mutant B-Raf V600E inhibitor ($IC_{50} = 0.7$ nM), with selectivity versus wild-type B-Raf ($IC_{50} = 5.2$ nM) and c-Raf ($IC_{50} = 6.3$ nM) in cell-free assays. Antitumor activity <i>in vivo</i> in mouse models of B-Raf V600E melanoma.
Purity	> 98%
CAS Number	1195765-45-7
Chemical structure	

Properties

Chemical name	N-[3-[5-(2-Amino-4-pyrimidinyl)-2-(1,1-dimethylethyl)-4-thiazolyl]-2-fluorophenyl]-2,6-difluorobenzenesulfonamide
Molecular weight	519.56
Molecular formula	$C_{23}H_{20}F_3N_5O_2S$
PubChem identifier	44462760
Storage instructions	Shipped at room temperature. Store at $-20^{\circ}C$.
Solubility overview	Soluble in DMSO to 50 mM (with warming)
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at $-20^{\circ}C$. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked</p>

[questions \(FAQ\) page](#) for more details.

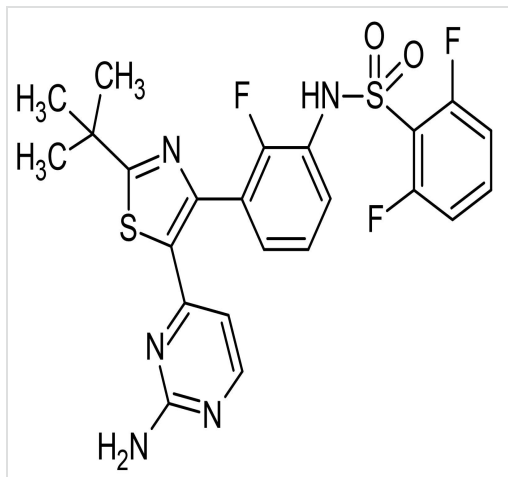
SMILES

CC(C)(C)C1=NC(=C(S1)C2=NC(=NC=C2)N)C3=C(C(=CC=C3)NS(=O)(=O)C4=C(C=CC=C4F)F)F

Source

Synthetic

Images



2D chemical structure image of ab222019, Dabrafenib, mutant B-Raf V600E inhibitor

Chemical Structure - Dabrafenib, mutant B-Raf V600E inhibitor (ab222019)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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