

TAK632

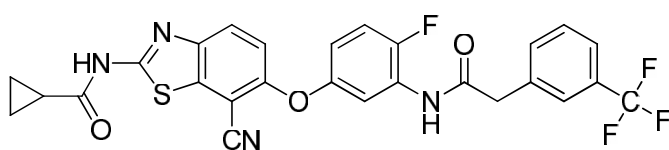
SYN-1203

N-(7-cyano-6-(4-fluoro-3-(2-(3-(trifluoromethyl)phenyl)acetamido)phenoxy)benzo[d]thiazol-2-yl)cyclopropanecarboxamide

CAS Registry No.: 1228591-30-7

Smiles String:

O=C(C1CC1)NC(S2)=NC3=C2C(C#N)=C(OC4=CC(NC(CC5=CC(C(F)(F)F)=CC=C5)=O)=C(F)C=C4)C=C3



Molecular Weight: 554.52

Molecular Formula: C₂₇H₁₈F₄N₄O₃S

Lot Number: Refer to vial

¹H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

Description:

TAK-632 is a potent pan-RAF inhibitor with favorable in vitro activity; BRAF(V600E) IC₅₀ of 2.4 nM.

Biological Activity

Kinome Mapping

Shipping and Storage Temperature

Shipping:

Ambient

Storage:

2 years -20C, Powder 1 month, -4C in DMSO, More than one month -80C in DMSO

Solubility

DMSO 100 mg/mL, Water <1 mg/mL, Ethanol 2 mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.5545	5.5450	11.0900	27.7250

References

1. Nakamura A, Arita T, Tsuchiya S, Donelan J, Chouitar J, Carideo E, Galvin K, Okaniwa M, Ishikawa T, Yoshida S. Antitumor activity of the selective pan-RAF inhibitor TAK-632 in BRAF inhibitor-resistant melanoma. *Cancer Res.* 2013 Dec 1;73(23):7043-55. doi: 10.1158/0008-5472.CAN-13-1825. Epub 2013 Oct 11. PubMed PMID: 24121489.

Ordering Information

To order more of this or any other SYNkinase compound, go to synkinase.com, Call us Toll Free (US Only) at 1- 877-854-6273 or email orders@synkinase.com.

Product Datasheet (Rev. 1.1)