

Nintedanib Biochemical

Nintedanib

CATALOG #
AAA201933

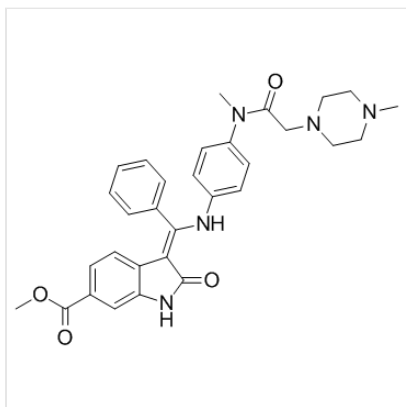
PRODUCT SYNONYMS

Nintedanib; BIBF-1120; BIBF1120; Nintedanib biochemical

PRODUCT SPECIFICATIONS

Purity/Purification	>98% (HPLC)
Suitability	10mM in DMSO
Target	VEGFR
Receptor	FLT3; Lck; VEGFR1; VEGFR2; VEGFR3; FGFR1; FGFR2; PDGFRalpha
Chemical Name	(Z)-methyl 3-(((4-(N-methyl-2-(4-methylpiperazin-1-yl)acetamido)phenyl)amino)(phenyl)methylene)-2-oxoindoline-6-carboxylate
SMILES	<chem>CN1CCN(CC1)CC(=O)N(C)C2=CC=C(C=C2)N/C(=C3/C4=C(C=C(C=C4)C(=O)OC)NC3=O)/C5=CC=CC=C5</chem>
Molecular Formula	C31H33N5O4
CAS Number	656247-17-5
Preparation and Storage	Store at -20 degree C Stability: ≥ 2 years Shipping: Ice Pack

IMAGES



Structure

ADDITIONAL INFORMATION

Related Product Information for Nintedanib biochemical

A potent triple angiokinase (VEGFR/PDGFR/FGFR) inhibitor with IC50 of 5/38/18/104/5nM for VEGFR-2/FGFR-1/PDGFRalpha/VEGFR-1/VEGFR-3, respectively; inhibits MAPK and Akt signaling pathways, show inhibition of cell proliferation (EC50=10-80nM); is fully efficacious in xenograft models and orally active. Lung Cancer Approved

Product Categories/Family for Nintedanib biochemical	Lung Cancer; Angiogenesis; Cancer
References	1. Roth GJ, et al. J Med Chem. 2009 Jul 23; 52 (14):4466-80. 2. Hilberg F, et al. Cancer Res. 2008 Jun 15; 68 (12):4774-82. 3. Kudo K, et al. Clin Cancer Res. 2011 Mar 15; 17 (6):1373-81.

NCBI AND UNIPROT INFORMATION

Molecular Weight	539.62
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/nintedanib/201933>