

## Product datasheet

# Vandetanib, VEGFR2 tyrosine kinase inhibitor ab142099

[1 Image](#)

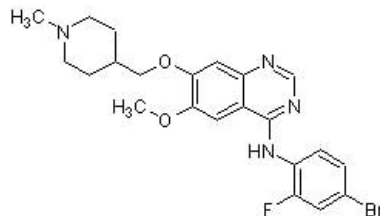
### Overview

<b>Product name</b>	Vandetanib, VEGFR2 tyrosine kinase inhibitor
<b>Description</b>	Orally available, potent VEGFR2 tyrosine kinase inhibitor
<b>Biological description</b>	Orally available, potent VEGFR2 tyrosine kinase inhibitor (KDR IC <sub>50</sub> = 40 nM). Also inhibits fms-like tyrosine kinase 4 (VEGFR3, IC <sub>50</sub> = 110 nM) and epidermal growth factor receptor (EGFR/HER1, IC <sub>50</sub> = 500 nM) but shows selectivity against a panel of other tyrosine and serine-threonine kinases. Displays anti-angiogenesis activity.

**Purity** > 98%

**CAS Number** 443913-73-3

**Chemical structure**



### Properties

<b>Chemical name</b>	<i>N</i> -(4-Bromo-2-fluorophenyl)-6-methoxy-7-[(1-methylpiperidin-4-yl)methoxy] quinazolin-4-amine
<b>Molecular weight</b>	475.35
<b>Molecular formula</b>	C <sub>22</sub> H <sub>24</sub> BrFN <sub>4</sub> O <sub>2</sub>
<b>PubChem identifier</b>	3081361
<b>Storage instructions</b>	Shipped at Room Temperature. Store at -20°C. Store under desiccating conditions.
<b>Solubility overview</b>	Soluble in DMSO to 50 mM and in ethanol to 10 mM
<b>Handling</b>	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°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.  Toxic, refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

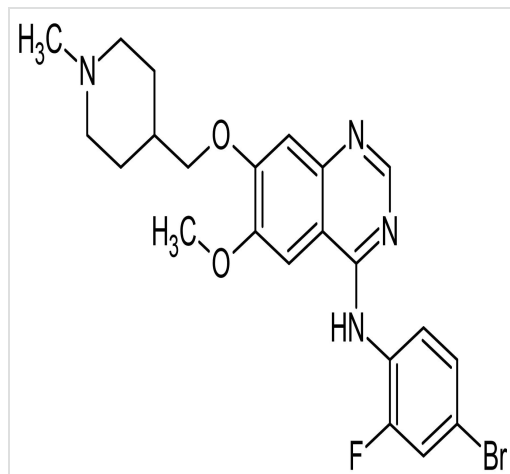
**SMILES**

CN1CCC(CC1)COC2=C(C=C3C(=C2)N=CN=C3NC4=C(C=C(C=C4)Br)F)OC

**Source**

Synthetic

**Images**



2D chemical structure image of ab142099, Vandetanib, VEGFR2 tyrosine kinase inhibitor

Chemical Structure - Vandetanib, VEGFR2 tyrosine kinase inhibitor (ab142099)

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