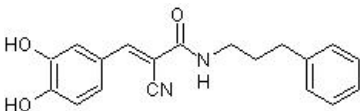


Product datasheet

AG 555 (Tyrphostin B46), EGFR-tyrosine kinase inhibitor ab145877

[1 Image](#)

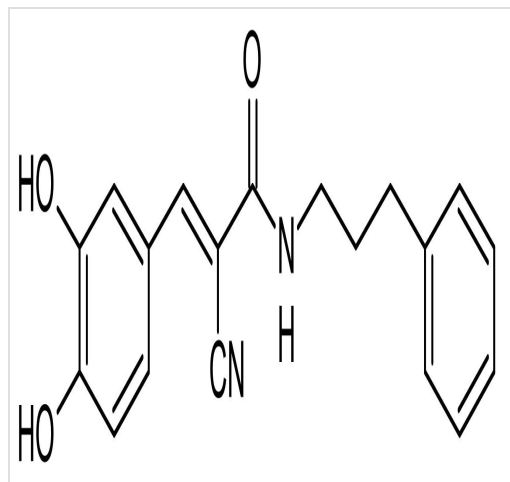
Overview

Product name	AG 555 (Tyrphostin B46), EGFR-tyrosine kinase inhibitor
Description	Potent EGFR-tyrosine kinase inhibitor
Biological description	Potent EGFR-tyrosine kinase inhibitor (IC_{50} = 700 nM). Blocks Cdk2 activation. Active form of tyrphostin A1 (ab145235). Induces cell arrest at late G1 phase (IC_{50} values are 6.4 and 9.4 μ M for HPV16-immortalized and normal keratinocytes respectively). Shows similar effects to AG 556 (ab145878).
Purity	> 98%
CAS Number	133550-34-2
Chemical structure	

Properties

Chemical name	(E)-2-Cyano-3-(3,4-dihydroxyphenyl)-N-(3-phenylpropyl)prop-2-enamide
Molecular weight	322.36
Molecular formula	C ₁₉ H ₁₈ N ₂ O ₃
PubChem identifier	5328770
Storage instructions	Store at +4°C. The product can be stored for up to 12 months.
Solubility overview	Soluble in ethanol and in DMSO to 30 mM
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°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>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	<chem>C1=CC=C(C(C=C1)CCCNC(=O)/C(=C/C2=CC(=C(C=C2)O)O)/C#N</chem>

Images



Chemical Structure - AG 555 (Tyrphostin B46),
EGFR-tyrosine kinase inhibitor (ab145877)

2D chemical structure image of ab145877, AG 555 (Tyrphostin B46), EGFR-tyrosine kinase inhibitor

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

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