



Product Data Sheet

Compound Name

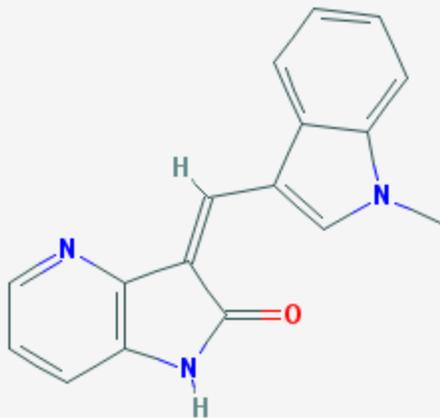
GW441756

(3Z)-3-[(1-methylindol-3-yl)methylidene]-1H-pyrrolo[3,2-b]pyridin-2-one

**Catalog Number
SY-GW441756**

Alternative names: QCR-77, GW-441756, 1,3-Dihydro-3-[(1-methyl-1*H*-indol-3-yl)methylene]-2*H*-pyrrolo[3,2-*b*]pyridin-2-one

Structure



CAS Number

[504433-23-2]

Molecular Weight:

275.3

**Molecular
Formula:**

C₁₇H₁₃N₃O₀

Purity: HPLC:

95.8% @ 254nm

1H-NMR: ✓

InChI: InChI=1S/C17H13N3O/c1-20-10-11(12-5-2-3-7-15(12)20)9-13-16-14(19-17(13)21)6-4-8-18-16/h2-10H,1H3,(H,19,21)/b13-9-

InChIKey: NXNQLECPAXXYTR-LCYFTJDESA-N

Canonical SMILES : CN1C=C(C2=CC=CC=C21)C=C3C4=C(C=CC=N4)NC3=O

Isomeric SMILES: CN1C=C(C2=CC=CC=C21)/C=C\3/C4=C(C=CC=N4)NC3=O

PubChem ID: 9943465

Mode of Action:

Uncharacterized, tyrosine kinase inhibitor

Predominant Target(s):

Trk A

Published Activity:

Potent, selective inhibitor of the NGF receptor tyrosine kinase A (TrkA) (IC₅₀ = 2 nM). Displays > 100-fold selectivity over a range of other kinases. Can block

	TrkA induced cell death in TrkA overexpression {Jung, EJ & Kim DR 2008, PMID:18511888}
Development stage:	Research
Use Instructions:	Dissolve in DMSO, keep out of direct light.
Storage & Handling:	Store dry, unopened vial at 4°C, protected from light for up to 3 months; long term storage store unopened vial, protected from light at -20°C for up to 1 year. Liquefy material in 100% ACS grade DMSO or ethanol. Store liquefied material at -80°C, in aliquots, protected from light, for up to 1 month. Prevent multiple freeze-thaw cycles. Soluble to 15 mM in DMSO
Symansis Product Citations: <i>expected soon.</i>	
Compound original references:	
Wood, ER <i>et al.</i> (2004) Discovery and in vitro evaluation of potent TrkA kinase inhibitors: oxindole and aza-oxindoles. <i>Bioorg.Med.Chem.Lett.</i> 14(4) 953-7. PMID: 15013000 .	