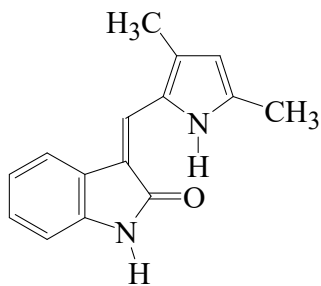




>>Entry Name: Semoxind

Synonym(s): 3-[(3,5-Dimethyl-1*H*-pyrrol-2-yl)methylene]-1,3-dihydro-2*H*-indol-2-one, 9Cl. SU 5416



CAS Registry Number: 204005-46-9

Molecular Formula: C₁₅H₁₄N₂O

Molecular Weight: 238.288

Accurate Mass: 238.110613

Percentage Composition: C 75.61%; H 5.92%; N 11.76%; O 6.71%

Biological Use/Importance: Potent and selective inhibitor of the vascular endothelial growth factor receptor (FLK-1 antagonist). Used to treat solid tumours

>>Variant: (*Z*)-form

CAS Registry Number: 194413-58-6

Molecular Formula: C₁₅H₁₄N₂O

Molecular Weight: 238.288

Accurate Mass: 238.110613

Percentage Composition: C 75.61%; H 5.92%; N 11.76%; O 6.71%

Physical Description: Yellow solid

References:

Sun, L. *et al.*, *J. Med. Chem.*, 1998, **41**, 2588-2603, (*synth, pmr, pharmacol*)

Pat. Coop. Treaty (WIPO), 1998, *Sugen*, 98 07 695; *CA*, **128**, 204803k, (*synth, pharmacol*)

Fong, T.A. *et al.*, *Cancer Res.*, 1999, **59**, 99-106, (*pharmacol*)