



Catalog # 10-4515

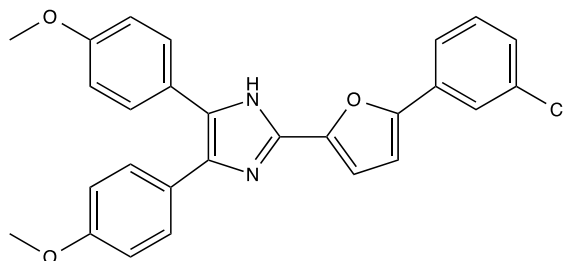
Neurodazine

CAS# 937807-66-4

SB376752

2-[5-(3-Chlorophenyl)-2-furanyl]-4,5-bis(4-methoxyphenyl)-1H-imidazole

Lot # FBA1163



Neurodazine was able to induce neurogenesis of non-pluripotent myoblasts and cells derived from mature, human skeletal muscle (using 2 μ M neurodazine). It was able to upregulate genes involved in neurogenesis (particularly B-cell translocation gene 2) without affecting those involved in myogenesis.

- 1) Williams *et al.* (2007), *Synthetic small molecules that induce neurogenesis in skeletal muscle* J.Am.Chem.Soc. **129** 9258

PHYSICAL DATA

Molecular Weight: 456.92
Molecular Formula: $C_{27}H_{21}ClN_2O_3$
Purity: >98% by HPLC
NMR: (Conforms)
Solubility: DMSO (at least 25 mg/ml) and ethanol (up to 25 mg/ml)
Physical Description: Beige solid
Storage and Stability: Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

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