

DATA SHEET

Product Name: Neurodazine

Catalog #: N-3014

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

Molecular Mass: 456.9 C₂₇H₂₁ClN₂O₃

Analysis: >98% (HPLC); NMR (Conforms)

Supplied As: Beige powder

Resuspension: May be dissolved in DMSO (10 mg/ml)

Storage: Store desiccated as supplied at -20°C for up to 2 years. Store solutions at -20°C for up to 3 months.

Description: Induces neurogenesis of pluripotent P19 cells producing physiologically active neurons which respond to glutamate¹. Compared to retinoic acid, neurodazine is more selective due to its unique ability to suppress astrocyte differentiation. Induces neuronal differentiation in neuroblastoma and fibroblast cells by activating the Wnt signaling pathway².

References:
1. Kim, G.H., et al., (2014) *Angew. Chem. Int. Ed.*, *53*: 9271
2. Halder, D., et al., (2015) *Mol. Biosyst.*, *11*: 2727

For research use only. Not for use in humans.