# Product Data Sheet

**Product Name:** Rotigotine  
**CAS No.:** 99755-59-6  
**Cat. No.:** HY-75502  
**MWt:** 315.47  
**Formula:** C19H25NOS  
**Purity:** >98%  
**Solubility:** DMSO

**Mechanisms:** Pathways: GPCR/G protein; Target: Dopamine Receptor  
Pathways: Neuronal Signaling; Target: Dopamine Receptor

**Biological Activity:**
Rotigotine is dopamine D2 and D3 receptor agonist. Ki values are 13 and 0.71 nM for D2 and D3 respectively.  
IC50 value: 13/0.71 nM (D2/D3) [1]  
Target: D2 and D3 receptor  
Rotigotine also has significant affinity for 5-HT1A and adrenergic α2B receptors. Rotigotine exhibits antiparkinsonian activity.

**References:**

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**Caution:** Not fully tested. For research purposes only  
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