Dexpramipexole

**Cat. No.:** HY-17355B  
**CAS No.:** 104632-28-2  
**Molecular Formula:** C₁₀H₁₇N₃S  
**Molecular Weight:** 211.33  
**Target:** Dopamine Receptor  
**Pathway:** GPCR/G Protein; Neuronal Signaling  
**Storage:** Please store the product under the recommended conditions in the COA.

### BIOLOGICAL ACTIVITY

| Description | Dexpramipexole (KNS-760704), also known as R-(+)-Pramipexole, is a neuroprotective agent and weak non-ergoline dopamine agonist. IC₅₀ Value. Target: Dopamine Receptor. Dexpramipexole has been found to have neuroprotective effects and is being investigated for treatment of amyotrophic lateral sclerosis (ALS). Dexpramipexole reduces mitochondrial reactive oxygen species (ROS) production, inhibits the activation of apoptotic pathways, and increase cell survival in response to a variety of neurotoxins and β-amyloid neurotoxicity. Compared to the S(-) isomer, Dexpramipexole has much lower dopamine agonist activity. |

### REFERENCES

1. Rudnicki SA, Berry JD, Ingersoll E, et al. Dexpramipexole effects on functional decline and survival in subjects with amyotrophic lateral sclerosis in a Phase II study: subgroup analysis of demographic and clinical characteristics. Amyotroph Lateral Scler


Caution: Product has not been fully validated for medical applications. For research use only.

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