

P7C3, NAMPT activator; Neuroprotective

Catalog	Unit
TBI1150-5MG	5 mg
TBI1150-25MG	25 mg

Product Details

Formal Name: 1-(3,6-Dibromo-9H-carbazol-9-yl)-3-(phenylamino)propan-2-ol

Molecular Formula: C₂₁H₁₈Br₂N₂O

Formula Weight: 474.20

CAS Number: 301353-96-8

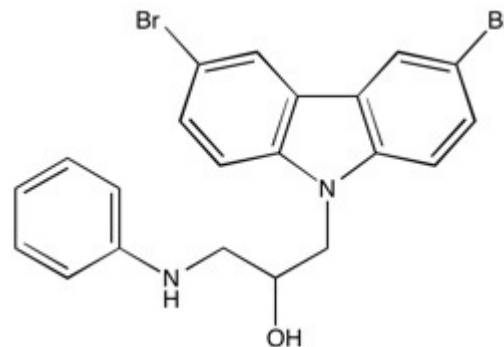
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 30 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

NAMPT activator; Neuroprotective

Functions

P7C3 exerts proneurogenic activity by protecting newborn neurons from apoptosis. Prolonged administration to aged rats impedes neuronal death and preserves cognitive capacity. Delays disease progression in G93A-SOD2 mutant mouse model of amyotrophic lateral sclerosis. Blocks MPTP-mediated cell death of dopaminergic neurons in the substantia nigra of adult mice, a model of Parkinson disease. Restores hippocampal neurogenesis in a mouse model of Down Syndrome. The mechanism of action involves activation of nicotinamide phosphoribosyltransferase (NAMPT) with concomitant increase of intracellular levels of NAD. Active in vivo.

Application Procedures

First dissolved in DMSO (up to 30 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.