

## Product Information

Product ID P0110

CAS No. 1325481-43-2

### Chemical Name

Synonym O-methoxy-P7C3, P7C3-OMe

Formula  $C_{22}H_{20}Br_2N_2O_2$

Formula Wt. 504.21

Melting Point

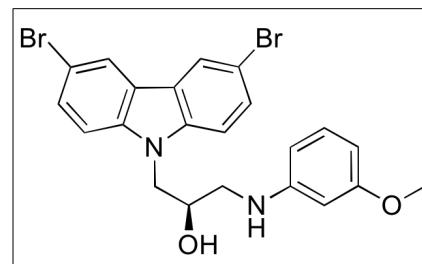
Purity  $\geq 98\%$

Solubility DMSO:  $\geq 33$  mg/mL

Store Temp 4° C

Ship Temp Ambient

**Description** This compound is a methoxy derivative of parent compound P7C3, an aminopropyl carbazole that exhibits antidepressant and neuroprotective activities. In animal models of chronic social defeat stress, P7C3 increases survival of dentate gyrus neurons. P7C3 also inhibits MPTP-induced neuronal death in animal models of Parkinson's disease and delays the onset and preserves motor function in animal models of amyotrophic lateral sclerosis (ALS).



**Bulk quantities available upon request**

Product ID	Size
P0110	5 mg
P0110	25 mg

**References** Walker AK, Rivera PD, Wang Q, et al. The P7C3 class of neuroprotective compounds exerts antidepressant efficacy in mice by increasing hippocampal neurogenesis. *Mol Psychiatry*. 2014 Apr 22. [Epub ahead of print]. PMID: 24751964.

De Jesús-Cortés H, Xu P, Drawbridge J, et al. Neuroprotective efficacy of aminopropyl carbazoles in a mouse model of Parkinson disease. *Proc Natl Acad Sci U S A*. 2012 Oct 16;109(42):17010-5. PMID: 23027934.

Tesla R, Wolf HP, Xu P, et al. Neuroprotective efficacy of aminopropyl carbazoles in a mouse model of amyotrophic lateral sclerosis. *Proc Natl Acad Sci U S A*. 2012 Oct 16;109(42):17016-21. PMID: 23027932.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.