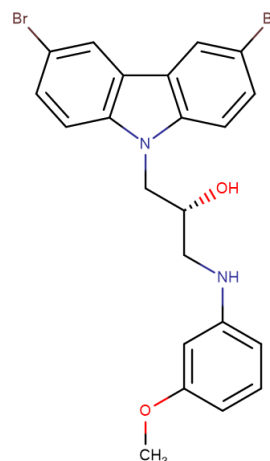


**Product Name** : (R)-P7C3-Ome  
**Synonyms** : P7C3-OMe; (R)-P7C3-OMe  
**Cat No.** : M10946  
**CAS Number** : 1235481-43-2  
**Molecular Formula** : C<sub>22</sub>H<sub>20</sub>Br<sub>2</sub>N<sub>2</sub>O<sub>2</sub>

**Formula Weight** : 504.21



**Chemical Name** : (2R)-1-(3,6-dibromocarbazol-9-yl)-3-(3-methoxyanilino)propan-2-ol

**Description** : P7C3 is a drug related to latrepirdine (dimebon), which has neuroprotective and proneurogenic effects, and may be potentially useful for the treatment of Alzheimer's disease and similar neurodegenerative disorders. The precise mechanism of action through which these effects are exerted remains unclear as of 2010, but the pharmacological effects of P7C3 in vitro resemble those of endogenous proneurogenic peptides such as fibroblast growth factor 1, and the proneurogenic activity of P7C3 was around thirty times that of dimebon when they were compared side by side in mice.

**Pathway** : Others

**Target** : Other Targets

**Receptor** : Others

**Solubility** : Soluble in DMSO

**SMILES** : O[C@H](CNC1=CC=CC(OC)=C1)CN2C3=C(C4=C2C=CC(Br)=C4)C=C(Br)C=C3

**Storage** : (-20°C)

**Stability** : ≥ 2 years

**Reference** :

1. Yin TC, et al. Cell Rep. 2014 Sep 25;8(6): 1731-40.