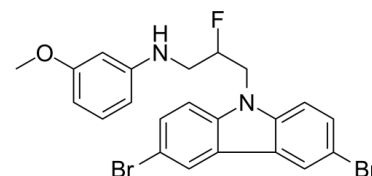


Data Sheet

Product Name:	P7C3-A20
Cat. No.:	CS-5758
CAS No.:	1235481-90-9
Molecular Formula:	C ₂₂ H ₁₉ Br ₂ FN ₂ O
Molecular Weight:	506.21
Target:	Others
Pathway:	Others
Solubility:	DMSO : ≥ 100 mg/mL (197.55 mM); H ₂ O : < 0.1 mg/mL (insoluble)



BIOLOGICAL ACTIVITY:

P7C3-A20 is an analogue of P7C3, and is a proneurogenic, neuroprotective agent. P7C3-A20 exerted an antidepressant-like effect in wild-type littermates than P7C3. display increased activity and an improved toxicity profile compared to P7C3. P7C3 is a NAMPT activator. In vivo: The P7C3-A20 exhibited antidepressant efficacy both in stressed Ghsr-null mice and in their more resilient, stressed wild-type littermates. [1] P7C3-A20 is neuroprotective and promotes endogenous reparative strategies after TBI. (Traumatic brain injury). The reference for G93A-SOD1 mice is 20 mg/kg/d. [2]

References:

- [1]. Blaya MO et al. Neuroprotective efficacy of a proneurogenic compound after traumatic brain injury. *J Neurotrauma*. 2014 Mar 1;31(5):476-86.
- [2]. Walker AK et al. The P7C3 class of neuroprotective compounds exerts antidepressant efficacy in mice by increasing hippocampal neurogenesis. *Mol Psychiatry*. 2015 Apr;20(4):500-8.

CAIndexNames:

9H-Carbazole-9-propanamine, 3,6-dibromo-β-fluoro-N-(3-methoxyphenyl)-

SMILES:

FC(CNC1=CC(OC)=CC=C1)CN2C3=CC=C(Br)C=C3C4=CC(Br)=CC=C24

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

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA