

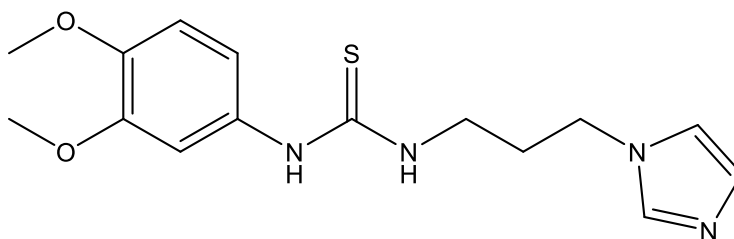
Catalog # 10-4885

PBD-150

CAS# 790663-33-1

1-(3,4-Dimethoxyphenyl)-3-(3-imidazol-1-ylpropyl)thiourea

Lot # FBA7086



PBD-150 is an inhibitor of human glutamyl cyclase ($IC_{50} = 60$ nM).¹ PBD-150 diminished A β plaque formation and gliosis while improving memory in a mouse model with small amounts of A β 3(pE)-40/42.²

- 1) Buchholz *et al.* (2006), *The first potent inhibitors for human glutamyl cyclase: synthesis and structure-activity relationship*; J. Med. Chem., **49** 664
- 2) Schilling *et al.* (2008), *Glutamyl cyclase inhibition attenuates pyroglutamate Ab and Alzheimer's disease-like pathology*; Nat. Med., **14** 1106

PHYSICAL DATA

Molecular Weight:	320.41
Molecular Formula:	C ₁₅ H ₂₀ N ₄ O ₂ S
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/ml) or Ethanol (up to 25 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

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Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

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