

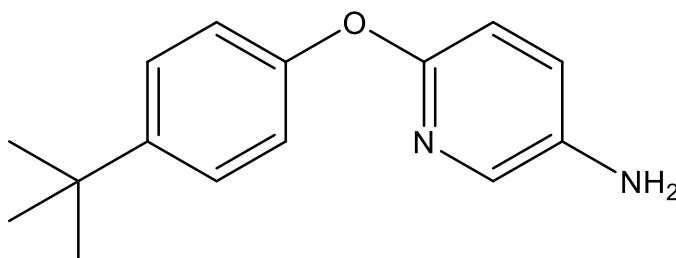
Catalog # 10-4742

CB-103

CAS# 218457-67-1

5-Amino-2-(4-tert-butylphenoxy)pyridine

Lot # FBA7239



CB-103 is an orally active inhibitor of the Notch signaling activation complex (IC₅₀'s from 0.9 to 3.9 μM in various cell-based assays), the most downstream level of the Notch signaling pathway. It inhibited the growth of Notch-addicted human T cell acute lymphoblastic leukemia cells as well as other cell lines. CB-103 also inhibited the growth of human breast cancer and leukemia xenografts without the intestinal toxicity associated with γ-secretase Notch inhibitors. In clinical trials.

- 1) Lehal *et al.* (2020), *Pharmacological disruption of the Notch transcription factor complex*; Proc. Natl. Acad. Sci. USA, **117** 16292

PHYSICAL DATA

Molecular Weight:	242.32
Molecular Formula:	C ₁₅ H ₁₈ N ₂ O
Purity:	>98% by HPLC NMR: (Conforms)
Solubility:	Soluble in DMSO (>30 mg/ml)
Physical Description:	Off-white to pale orange solid
Storage and Stability:	Store as supplied, desiccated at room temperature for up to two years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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