

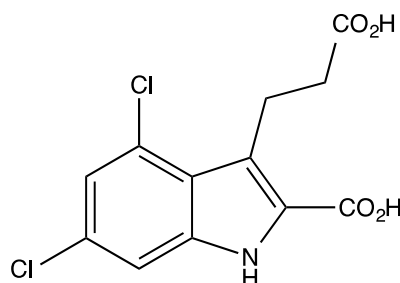
Catalog # 10-4537

MDL29,951

CAS# 130798-51-5

3-(2-Carboxy-4,6-dichloroindol-3-yl)propionic acid

Lot # FBA8076



MDL29,951 is a new, highly specific, small molecule activator of GPR17¹ that has been shown to be active in intact cells¹. The ability to specifically activate GPR17 allows for the study of the exact role GPR17 plays in the maturation of oligodendrocytes and may lead to a therapeutic strategy to promote myelin repair. Antagonist for the strychnine-insensitive glycine binding site of the NMDA receptor ($IC_{50} = 170 \text{ nM}$).²

- 1) Hennen *et al.* (2013), *Decoding Signaling and Function of the Orphan Protein-Coupled Receptor GPR17 with a small molecule agonist*; *Sci. Signal.*, **6** ra93
- 2) Salituro *et al.* (1992), *3-(2-Carboxyindol-3-yl)propionic Acid-Based Antagonists of the N-Methyl-D-aspartic Acid Receptor Associated Glycine Binding Site*; *J. Med. Chem.*, **35** 1791

PHYSICAL DATA

Molecular Weight:	302.11
Molecular Formula:	C ₁₂ H ₉ Cl ₂ NO ₄
Purity:	>98% by TLC(10% MeOH/methylene chloride + 0.5% HOAc; Rf = 0.15) NMR: (Conforms)
Solubility:	DMSO (> 25 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at room temperature for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

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