Pranlukast is a selective Leukotriene CysLT1 antagonist and has been used in the treatment of asthma. Pranlukast is also an inhibitor of GPR17 (IC₅₀'s = 10.5nM hGPR17, 31nM rGPR17) and is superior to Montelukast in achieving functional inhibition.

3) Ciana et al. (2006), The orphan receptor GPR17 identified as a new dual uracil nucleotides/cysteinyl-leukotrienes receptor; EMBO J. 25 4615
4) Hennen et al. (2013), Decoding Signaling and Function of the Orphan G Protein-Coupled Receptor GPR17 with a Small-Molecule Agonist; Sci.Signal. 6 ra93

**PHYSICAL DATA**

Molecular Weight: 481.51
Molecular Formula: C₂₇H₂₃N₅O₄
Purity: >98%
NMR: (Conforms)
Solubility: Soluble in DMSO (25 mg/ml)
Physical Description: White solid
Storage and Stability: Store as supplied at -20ºC for up to 1 year from the date of purchase. Store solutions in DMSO at -20ºC for up to 1 month.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.