
Catalog	Unit
TBI2441-50MG	50 mg
TBI2441-250MG	250 mg

Product Details

Formal Name: N-[4-oxo-2-(2H-tetrazol-5-yl)chromen-8-yl]-4-(4-phenylbutoxy)benzamide

Alternate Names: ONO 1078

Molecular Formula: C₂₇H₂₃N₅O₄

Formula Weight: 481.51

CAS Number: 103177-37-3

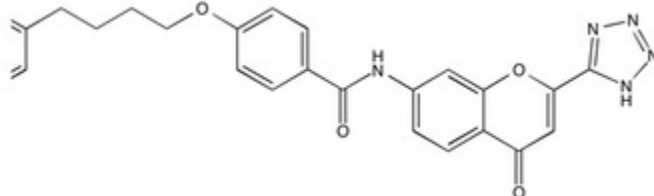
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml)

Storage: RT

Stability: ≥ 1 year.



Applications

Leukotriene CysLT1 antagonist; GPR17 antagonist

Functions

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.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.