



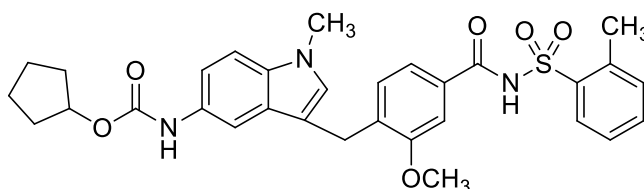
Catalog # 10-1100

Zafirlukast

CAS# 107753-78-6

ICI-204219

Lot # X101348



Competitive and selective leukotriene receptor antagonist¹. Also inhibits calcium ionophore induced production of leukotriene B₄ and leukotriene C₄, which suggests a potential 5-LO inhibitory activity². Cell permeable and orally active.

- 1) Adkins and Brogden, (1998), *Zafirlukast. A review of its pharmacology and therapeutic potential in the management of asthma*; *Drugs* **55** 121
- 2) Woszczek et al., (2010), *Concentration-dependent noncysteinyll leukotriene type 1 receptor-mediated inhibitory activity of leukotriene receptor antagonists*; *J. Immunol.* **184** 2218

PHYSICAL DATA

Molecular Weight:	575.69
Molecular Formula:	C ₃₁ H ₃₃ N ₃ O ₆ S
Purity:	>98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 10 mg/ml)
Physical Description:	White to pink solid
Storage and Stability:	Store as supplied at room temperature for up to 2 years from the date of purchase. Protect from exposure to moisture. Solutions in DMSO may be stored at -20°C for up to 3 months.

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