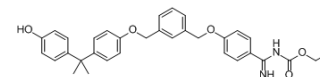


Amelubant

Cat. No.:	HY-19304
CAS No.:	346735-24-8
Molecular Formula:	C ₃₃ H ₃₄ N ₂ O ₅
Molecular Weight:	538.63
Target:	Leukotriene Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	Amelubant (BIIL 284) is a potent, oral and long acting LTB₄ receptor antagonist, negligibly binds to LTB ₄ receptor, with K _s of 221 nM and 230 nM in vital cells and membranes. Amelubant (BIIL 284) is a prodrug of active metabolites BIIL 260 and BIIL 315. Anti-inflammatory activity ^[1] .	
IC ₅₀ & Target	LTB ₄ 221 nM (K _i , in vital human granulocytes)	LTB ₄ 230 nM (K _i , in cell membranes)
In Vitro	Amelubant is a prodrug of active metabolites BIIL 260 and BIIL 315, which are reversible and competitive LTB ₄ receptor antagonists, with K _s of 1.4, 1.1 nM and 1.7, 1.9 nM in vital cells and membranes, respectively ^[1] .	

REFERENCES

[1]. Birke FW, et al. In vitro and in vivo pharmacological characterization of BIIL 284, a novel and potent leukotriene B(4) receptor antagonist. J Pharmacol Exp Ther. 2001 Apr;297(1):458-66.

Caution: Product has not been fully validated for medical applications. For research use only.

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