KRICT | Anti-rhinovirals

2017 한국화학연구원 신약 R&D 산·연 기술교류회



Target	
Mechanism of Action	 Skeleton I: Capsid Binding Inhibitor Skeleton II: RNA replication Inhibitor
Indication - Primary	 Anti-rhinovirals for common cold Antivirals against exacerbations of COPD and Asthma
Indication - Expansion	Broad antiviral activity against EV68, EV71, PV
Route of Administration	PO preferred
Competitive Advantage	No drugs available against rhinovirus as well as enterovirus/poliovirus
Data Files	 Medicinal Chemistry approach: under SAR study Anti-viral activity data by cell based assay Skeleton I (KR-25865): HRV14 0.053μM, HRV21 0.08μM, HRV71 0.016μM, PV3 0.046μM Skeleton II (KR-26106): HRV14 0.39μM, HRV21 1.8μM, HRV71 0.8μM
IP Status	Novel structures
Collaboration Model	Collaborative research
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