## LTA4H-IN-4

Cat. No.: Molecular Formula: Molecular Weight: Target: Pathway: Storage:	HY-161349 C <sub>19</sub> H <sub>21</sub> N <sub>5</sub> O <sub>2</sub> 351.4 Aminopeptidase Metabolic Enzyme/Protease Please store the product under the recommended conditions in the Certificate of Analysis.	H C N OH
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BIOLOGICAL ACTIVI	ТҮ								
Description	LTA4H-IN-4 (cc can be used in				pitor. The IC <sub>50</sub>	value of LTA4	H-IN-4 for hEF	RG is 156 μΜ. L	TA4H-IN-4
IC <sub>50</sub> & Target	LTA4H		hERG 156 μΜ (	IC <sub>50</sub> )					
In Vitro	LTA4H-IN-4 (cc (PBMCs) follow MCE has not in	ving calcium i	onophore sti	mulation <sup>[1]</sup> .					lear cells:
In Vivo	LTA4H-IN-4 (cc mouse arthriti: were found in t Pharmacokine Animal	s models, rats toxicological	s, and dogs, a studies <sup>[1]</sup> .	nd the animal I		do not change			lverse results
	model	Route	(mg/kg)	kg)	V <sub>ss</sub> (L/kg)	MRT (h)	(nM·h)	(nM)	BAV (%)
	mice	i.v.	1	13	7.2	8.9	/	/	/
	mice	p.o.	10	/	/	/	1476	307	42
	rats	i.v.	1	21	6.3	5.0	/	/	/
	rats	p.o.	3	/	/	/	2200	175	97
	rats	p.o.	30	/	/	/	1773	198	78
	rats	p.o.	300	/	/	/	1741	87	77

Product Data Sheet



dogs	i.v.	0.1	6.6	13	20	/	/
dogs	p.o.	0.1	/	/	/	6020	610
dogs	p.o.	1	/	/	/	6655	859
dogs	p.o.	10	/	/	/	7113	1157

## REFERENCES

[1]. Thoma G, et al. Structure-Guided Elaboration of a Fragment-Like Hit into an Orally Efficacious Leukotriene A4 Hydrolase Inhibitor. J Med Chem. 2024 Mar 28;67(6):5093-5108.

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

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