

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customer-care-usa@hellobio.com



DATASHEET

PF 3716556

Product overview

Name	PF 3716556
Cat No	HB1123
Biological action	Antagonist
Purity	>98%
Description	Potent, selective acid pump antagonist

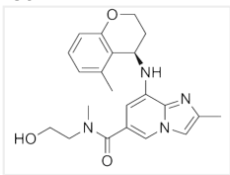
Biological Data

Biological description	Potent and selective acid pump antagonist (pIC ₅₀ values are 6.03, 6.04 and 6.01 for Porcine, Canine and Human recombinant ion leaky assay respectively). Competitively inhibits H ⁺ , K ⁺ -ATPase but exhibits no activity against Na ⁺ , K ⁺ -ATPase. Displays greater potency in acidic conditions. Also inhibits gastric acid secretion in dogs.
------------------------	---

Solubility & Handling

Solubility overview	Soluble in DMSO (100mM)
Storage instructions	-20 °C
Storage of solutions	Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.
Shipping Conditions	Stable for ambient temperature shipping. Follow storage instructions on receipt.
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	8-[[[(4 <i>R</i>)-3,4-Dihydro-5-methyl-2 <i>H</i> -1-benzopyran-4-yl]amino]- <i>N</i> -(2-hydroxyethyl)- <i>N</i> ,2-dimethyl-imidazo[1,2- <i>a</i>]pyridine-6-carboxamide
Molecular Weight	394.47
Chemical structure	
Molecular Formula	C ₂₂ H ₂₆ N ₄ O ₃
CAS Number	928774-43-0
PubChem identifier	25134521
SMILES	<chem>OCCN(C)C(C2=CN1C(C(N[C@H]4C3=C(C)C=CC=C3OCC4)=C2)=NC(C)=C1)=O</chem>
InChiKey	YBHKBMJREUZHOFV-QGZVFWFLSA-N

References

***N*-(2-hydroxyethyl)-*N*,2-dimethyl-8-[[[(4*R*)-5-methyl-3,4-dihydro-2*H*-chromen-4-yl]amino]imidazo[1,2-*a*]pyridine-6-carboxamide (PF-03716556), a novel, potent, and selective acid pump antagonist for the treatment of gastroesophageal reflux disease.**

