Purdue Bioscience

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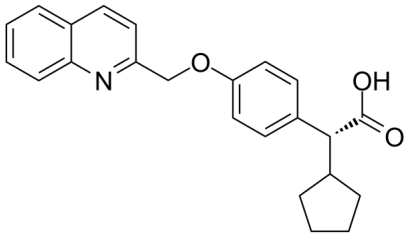
Data Sheet

Product Information

Catalog Number	BP15232
Product Name	Veliflapon
Description	Veliflapon is an orally active and selective inhibitor of 5-lipoxygenase activating protein (FLAP). Veliflapon inhibits the synthesis of the leukotrienes B4 and C4.
In vitro	Veliflapon inhibits the synthesis of LTB4 in A23187-stimulated leukocytes from rats, mice and humans with IC50s of 0.026, 0.039 and 0.22 μM, respectively as well as the formation of LTC4 with IC50 of 0.021 μM in mouse peritoneal macrophages stimulated with opsonized zymosan.
In vivo	Atherogenesis inhibited by Veliflapon (DG-031; diet; 18.8 mg/kg/day for 16 weeks). In the arachidonic acid-induced mouse ear inflammation test,Veliflapon after topical (18 μg/ear) and oral (48.7 mg/kg) administration has antiedematous effects . Veliflapon is potent (11.8 and 6.7 mg/kg p.o. at 1 and 5 hours, respectively) and has a long duration of action (ED40 of 16 hours, 70 mg/kg p.o.) in the rat whole blood ex vivo leukotriene B4 inhibition assay.
Synonyms	BAY X 1005, DG-031
CAS No.	128253-31-6
Chemical Formula	C23H23NO3
Molecular Weight	361.441
Solubility	
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure OR Tested Image	

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