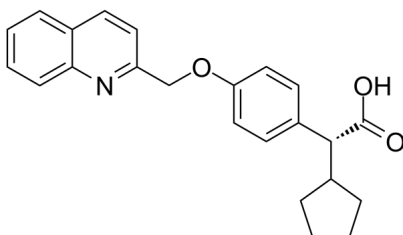


## Certificate of Analysis

Catalog Number	BP15232
Product Name	Veliflapon

## Physical and Chemical Properties

Synonyms	BAY X 1005, DG-031
CAS No.	128253-31-6
Chemical Formula	C <sub>23</sub> H <sub>23</sub> NO <sub>3</sub>
Molecular Weight	361.441
Solubility	
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

## Product Information

Description	Veliflapon is an orally active and selective inhibitor of 5-lipoxygenase activating protein (FLAP). Veliflapon inhibits the synthesis of the leukotrienes B <sub>4</sub> and C <sub>4</sub> .
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In vitro	Veliflapon inhibits the synthesis of LTB <sub>4</sub> in A23187-stimulated leukocytes from rats, mice and humans with IC <sub>50</sub> s of 0.026, 0.039 and 0.22 μM, respectively as well as the formation of LTC <sub>4</sub> with IC <sub>50</sub> 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 (ED <sub>40</sub> of 16 hours, 70 mg/kg p.o.) in the rat whole blood ex vivo leukotriene B <sub>4</sub> inhibition assay.

## Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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v2 Revision on 12/28/2022