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# Laropiprant

National Cancer Institute

## Source

National Cancer Institute. *Laropiprant*. NCI Thesaurus. Code C87372.

A prostaglandin D2 receptor (DP1) antagonist with niacin-induced vasodilation inhibiting activity. Laropiprant binds to and inhibits the activity of DP1, a G-protein coupled receptor. Via competing with prostaglandin D2 (PG D2) for binding to DP1, this agent prevents PG D2-induced vasodilation and increased blood flow. As niacin induces the synthesis of PG D2, predominantly in the skin, administration of laropiprant may prevent niacin-induced vasodilation in the skin and facial flushing.