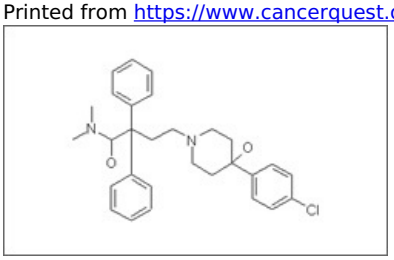
Loperamide

Printed from https://www.cancerquest.org/patients/drug-reference/loperamide on 11/14/2026



Brand name: Imodium®
IUPAC: 4-[4-(4-chlorophenyl)-4-hydroxypiperidin-1-yl]-N,N-dimethyl-2,2-di(phenyl)butanamide
FDA approval: Yes
Manufacturer Link
Usage:

Loperamide (Imodium) is used to control bowel response in patients with severe reactions to cancer treatment drugs. This drug is given as an oral tablet or liquid. 1

1 Loperamide. MedlinePlus. 2016. https://medlineplus.gov/druginfo/meds/a682280.html

Mechanism:

Loperamide slows down muscle contractions in the walls of the intestine. By decreasing the flow of fluids and electrolytes into the bowel system and slowing the movements of the bowel Loperamide decreases the number of bowel moments.1

The diagram below shows the 3D molecular structure of Loperamide.

Stick Sphere Cross Rotate

1 Loperamide. MedlinePlus. 2016. https://medlineplus.gov/druginfo/meds/a682280.html

Side effects:

The most common side effects include dizziness, drowsiness, dry mouth This medicine should be used in conjunction with fluids to prevent dehydration.1

1 Loperamide. MedlinePlus. 2016. https://medlineplus.gov/druginfo/meds/a682280.html