# Lamotrigine

## $Na^+$ channel blocker

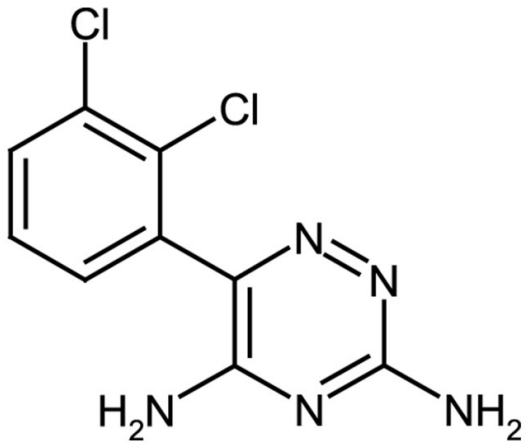
Lamotrigine blocks voltage-gated sodium channels. Inhibits the release of glutamate. Neuroprotective. Anticonvulsant.

**Citations:** 16 View Online »

## Ordering Information Order Online »

| | |
|---|---|
| **ALX-430-160-M100** | 100mg |
| **ALX-430-160-M500** | 500mg |

## Manuals, SDS & CofA View Online »

| | |
|---|---|
| Cl<br>Cl<br>N<br>N<br>$H_2N$<br>N<br>$NH_2$ | |

## Handling & Storage

| | |
|---|---|
| **Use/Stability** | As indicated on product label or CoA when stored as recommended. |
| **Long Term Storage** | +4°C |
| **Shipping** | Ambient Temperature |

## Regulatory Status

RUO - Research Use Only

## Product Details

| | |
|---|---|
| **Alternative Name** | 6-(2,3-Dichlorophenyl)-1,2,4-triazine-3,5-diamine, LTG, BW-430C |
| **Appearance** | White to off-white powder. |
| **CAS** | 84057-84-1 |
| **Couple Target** | Sodium channel |
| **Couple Type** | Blocker |
| **Formula** | $C_9H_7Cl_2N_5$ |
| **Identity** | Determined by IR. |
| **MI** | **14:** 5353 |
| **MW** | 256.1 |
| **Purity** | ≥98% (Assay) |
| **RTECS** | XY5850700 |
| **Solubility** | Soluble in DMSO (60°C, 20mg/ml) or dimethyl formamide; slightly soluble in anhydrous ethanol or dilute hydrochloric acid; almost insoluble in water. |



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