



Product Information

Product ID M1879

CAS No. 56392-17-7

Chemical Name 1-[4-(2-Methoxyethyl)phenoxy]-3-[(1-methylethyl)- amino]-2-propanol tartrate

Synonym Beloc, Betaloc, Lopressor, Prelis, Seloken, Selopral, Selo-Zok

Formula $(C_{15}H_{25}NO_3)_2 \cdot C_4H_6O_6$

Formula Wt. 684.82

Melting Point 120° C

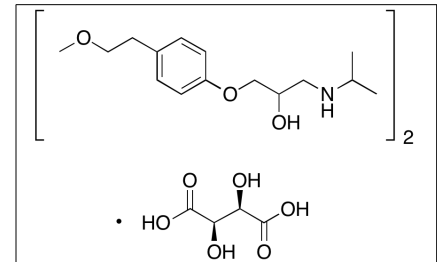
Purity ≥98%

Solubility Soluble in water, methanol, ethanol, DMSO, or chloroform.

Store Temp Ambient

Ship Temp Ambient

Description Metoprolol is an inhibitor of B1-adrenergic receptors that exhibits antihypertensive, cardioprotective, anti-anginal, class II anti-arrhythmic, anti-atherosclerotic, anti-inflammatory, anticonvulsant/antiepileptic, and pro-angiogenic activities. Metoprolol is clinically used to treat hypertension, myocardial infarction, tachycardia, and congestive heart failure (CHF). In animal models of atherosclerosis, metoprolol decreases levels of TNF- α and CXCL1, infiltration of macrophages, and size of atherosclerotic plaques. This compound also inhibits seizures in animal models and, separately, increases microvessel sprouting in aortic rings.



Bulk quantities available upon request

Product ID	Size
M1879	5 g
M1879	25 g

References Ulleryd MA, Bernberg E, Yang LJ, et al. Metoprolol Reduces Proinflammatory Cytokines and Atherosclerosis in ApoE(-/-) Mice. *Biomed Res Int.* 2014;2014:548783. PMID: 25105129.

Borowicz KK, Banach M. Antiarrhythmic drugs and epilepsy. *Pharmacol Rep.* 2014 Aug;66(4):545-51. PMID: 24948053.

Stati T, Musumeci M, Maccari S, et al. B-Blockers promote angiogenesis in the mouse aortic ring assay. *J Cardiovasc Pharmacol.* 2014 Jul;64(1):21-7. PMID: 24621648.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.