

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### **(R)-(+)**Etomoxir Na **FBM-10-4731**

Article Name	(R)-(+) <b>Etomoxir Na</b>
Biozol Catalog Number	FBM-10-4731
Supplier Catalog Number	10-4731
Alternative Catalog Number	FBM-10-4731-5MG,FBM-10-4731-25MG,FBM-10-4731-10MM/1MLDMSO
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Carnitine palmitoyltransferase inhibitor...
Molecular Weight	320.74
Purity	98% by HPLC, NMR (Conforms)
Form	White solid
CAS Number	[828934-41-4]
Formula	C <sub>15</sub> H <sub>18</sub> ClO <sub>4</sub> Na
Application Notes	Etomoxir (828934-41-4) is an irreversible inhibitor of mitochondrial carnitine palmitoyl transferase 1 (CPT1). <sup>1</sup> It is widely used to study fatty acid oxidation. Etomoxir has been investigated as a therapeutic agent for heart disease <sup>2</sup> , diabetes <sup>3</sup> , and cancer <sup>4,5</sup> . Use of etomoxir in concentrations greater than 5 µM induces acute production of ROS with associated evidence of severe oxidative stress in proliferating T cells indicating a loss of specificity for CTP1 at these concentrations. <sup>6</sup> 200 µM etomoxir inhibited complex I of the electron transport chain. <sup>7</sup>