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Product Datasheet

(R)-(+)Etomoxir Na, CAS [[828934-41-4]] **FBM-10-4731**

Article Name	(R)-(+) Etomoxir Na , CAS [[828934-41-4]]
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 ₁₅ H ₁₈ ClO ₄ Na
Application Notes	Etomoxir (828934-41-4) is an irreversible inhibitor of mitochondrial carnitine palmitoyl transferase 1 (CPT1). ¹ It is widely used to study fatty acid oxidation. Etomoxir has been investigated as a therapeutic agent for heart disease ² , diabetes ³ , and cancer ^{4,5} . 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. ⁶ 200 μM etomoxir inhibited complex I of the electron transport chain. ⁷