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## Product Datasheet

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

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| 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 <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> |