

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

## Product Datasheet

### Methoprene Acid, CAS [[53092-52-7]] FBM-10-4531

|                            |  |
|----------------------------|--|
| Article Name               | Methoprene Acid, CAS [[53092-52-7]]  |
| Biozol Catalog Number      | FBM-10-4531  |
| Supplier Catalog Number    | 10-4531  |
| Alternative Catalog Number | FBM-10-4531-5MG,FBM-10-4531-25MG   |
| Manufacturer               | Focus Biomolecules   |
| Category                   | Biochemikalien   |
| Product Description        | RXR agonist...   |
| Molecular Weight           | 268.39   |
| Purity                     | 98% by TLC NMR (Conforms)  |
| Form                       | Colorless oil  |
| CAS Number                 | [53092-52-7]   |
| Formula                    | C16H28O3   |
| Application Notes          | Methoprene acid (53092-52-7) is an analog of insect juvenile hormone which acts as an insect growth regulator. Binds directly and selectively to the retinoid X receptor (RXR) acting as a transcriptional activator in both insect and mammalian cells with no activity at RAR.1 Negatively regulates thrombosis and hemostasis.2 Induces neurosteroid biosynthesis in human glial GI-1 cells.3 Increases the expression of the brown-fat-uncoupling-protein-1 gene (ucp-1).4 |