

## Product Datasheet

### Picumeterol FA (orb1944828)

|                          |                                                                                                                                                                                                                                                                                                                            |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog Number</b>    | orb1944828                                                                                                                                                                                                                                                                                                                 |
| <b>Category</b>          | Small Molecules                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>       | Picumeterol FA is a potent, selective, and long-acting $\beta$ 2-adrenergic receptor agonist supplied as the pure R-enantiomer. It is used in research to study airway smooth muscle relaxation, bronchoprotection, and the mechanisms of long-lasting bronchodilation in models of asthma and airway hyperresponsiveness. |
| <b>Target</b>            | Adrenergic Receptor                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>            | 99.80% (May vary between batches)                                                                                                                                                                                                                                                                                          |
| <b>MW</b>                | 472.4                                                                                                                                                                                                                                                                                                                      |
| <b>Target Areas</b>      | Adrenergic Receptor                                                                                                                                                                                                                                                                                                        |
| <b>Solubility (25°C)</b> | DMSO:50 mg/mL (105.84 mM)                                                                                                                                                                                                                                                                                                  |
| <b>Formula</b>           | $C_{22}H_{31}Cl_2N_3O_4$                                                                                                                                                                                                                                                                                                   |
| <b>SMILES</b>            | <chem>O[C@H](C1=CC(Cl)=C(C(Cl)=C1)N)CNCCCCCOCCC2=CC=CC=N2.[H]C(O)=O</chem>                                                                                                                                                                                                                                                 |
| <b>Storage</b>           | -20°C                                                                                                                                                                                                                                                                                                                      |
| <b>Note</b>              | For research use only                                                                                                                                                                                                                                                                                                      |
| <b>Expiration Date</b>   | 12 months from date of receipt.                                                                                                                                                                                                                                                                                            |

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