

# *Chem-Impex International, Inc.*

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## *Product Specifications*

|                          |   |
|--------------------------|---|
| <b>Catalogue Number</b>  | 39522   |
| <b>Product</b>           | <b>(R)-2-Bromo-3-methylbutyric acid</b><br>(R)-2-Bromoisovaleric acid |
| <b>CAS Number</b>        | 76792-22-8  |
| <b>Molecular Formula</b> | C <sub>5</sub> H <sub>9</sub> BrO <sub>2</sub>                        |
| <b>Molecular Weight</b>  | 181.03  |

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|---------------------------|--|
| <b>Appearance</b>         | White or off-white crystalline powder                    |
| <b>Melting Point</b>      | 42 - 45 °C   |
| <b>Boiling point</b>      | 100 °C / 2 mmHg  |
| <b>Optical Rotation</b>   | [α] <sub>D</sub> <sup>20</sup> = 17 - 21 ° (C=2 in MeOH) |
| <b>Infrared Spectrum</b>  | Conforms to structure                                    |
| <b>Assay by titration</b> | ≥ 98% (Neutralization titration)                         |
| <b>Purity by GC</b>       | ≥ 98%  |
| <b>Storage</b>            | Store at RT  |

**For Laboratory Use Only**