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## DATASHEET

Sumatriptan succinate

### Product overview

|                          |   |
|--------------------------|---|
| <b>Name</b>              | Sumatriptan succinate   |
| <b>Cat No</b>            | HB1769  |
| <b>Alternative names</b> | GR 43175  |
| <b>Biological action</b> | Agonist   |
| <b>Purity</b>            | >99%  |
| <b>Description</b>       | 5-HT <sub>1D</sub> , 5-HT <sub>1B</sub> and 5-HT <sub>1A</sub> receptor agonist |

### Biological Data

|                               |   |
|-------------------------------|---|
| <b>Biological description</b> | 5-HT <sub>1A</sub> /1B/1D receptor agonist (K <sub>i</sub> values are 17, 27 and 100 nM at 5-HT <sub>1D</sub> , 5-HT <sub>1B</sub> and 5-HT <sub>1A</sub> receptors respectively). Shows antimigraine activity. |
|-------------------------------|---|

### Solubility & Handling

|                             |   |
|-----------------------------|---|
| <b>Storage instructions</b> | +4 °C   |
| <b>Solubility overview</b>  | Soluble in water (100mM) or DMSO (75mM)   |
| <b>Important</b>            | This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use. |

### Chemical Data

|                           |  |
|---------------------------|--|
| <b>Chemical name</b>      | 3-[2-(Dimethylamino)ethyl]- <i>N</i> -methyl -1 <i>H</i> -indole-5-methanesulfonamide succinate              |
| <b>Molecular Weight</b>   | 413.49   |
| <b>Molecular Formula</b>  | C <sub>14</sub> H <sub>21</sub> N <sub>3</sub> O <sub>2</sub> S.C <sub>4</sub> H <sub>6</sub> O <sub>4</sub> |
| <b>CAS Number</b>         | 103628-48-4  |
| <b>PubChem identifier</b> | 59772  |
| <b>SMILES</b>             | O=S(CC1=CC=C(NC=C2CCN(C)C)C2=C1)(NC)=O.O=C(CCC(O)=O)O  |
| <b>InChiKey</b>           | PORMUFZNYQJOEI-UHFFFAOYSA-N  |