

# Product Datasheet

## Dasatinib (orb1713769)

|                          |  |
|--------------------------|--|
| <b>Description</b>       | Kinase inhibitor   |
| <b>Form/Appearance</b>   | Crystalline solid  |
| <b>Storage</b>           | -20°C  |
| <b>Note</b>              | For research use only  |
| <b>Formula</b>           | $C_{22}H_{26}ClN_7O_2S$  |
| <b>Purity</b>            | ≥98%   |
| <b>Source</b>            | Synthetic  |
| <b>MW</b>                | 488  |
| <b>CAS Number</b>        | 302962-49-8  |
| <b>SMILES</b>            | <chem>C1=C(SC(=N1)NC2=CC(=NC(=N2)C)N3CCN(CC3)CCO)C(=O)NC4=C(C=CC=C4Cl)C</chem> |
| <b>Solubility (25°C)</b> | Soluble in DMSO (200 mg/ml), ethanol (very poorly ), and water (very poorly )  |

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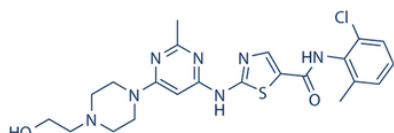
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**Hazard Information**

Classification: Acute Toxicity: Oral, Category 3 Toxic To Reproduction, Category 1B Target Organ Systemic Toxicity (single exposure), Category 2 Target Organ Systemic Toxicity (repeated exposure), Category 2 Safety Phrases: S22 - Do not breathe dust. S24/25 - Avoid contact with skin and eyes. S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection. Hazard statements: H301: Toxic if swallowed. H360: May damage fertility or the unborn child. H370: Causes damage to organs {uterus, testicles, ovaries}. H373: May cause damage to {uterus, testicles, ovaries} through prolonged or repeated exposure. Precautionary statements: P264: Wash {hands} thoroughly after handling. P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P281: Use personal protective equipment as required. P260: Do not breathe {dust/fume/gas/mist/vapours/spray}. P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P330: Rinse mouth. P308+313: IF exposed or concerned: Get medical attentiodvice. P312: Call a {POISON CENTER/doctor/...} if you feel unwell. P314: Get medical attentiodvice if you feel unwell.

**Expiration Date**

12 months from date of receipt.



Chemical structure of Dasatinib, a Src and Bcr/Abl kinase inhibitor. CAS #: 302962-49-8. Molecular Formula: C<sub>22</sub>H<sub>26</sub>ClN<sub>7</sub>O<sub>2</sub>S. Molecular Weight: 488 g/mol.

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