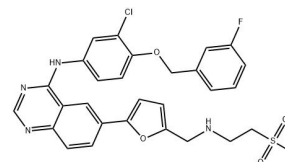


## Technical Data Sheet

## Lapatinib

## Compound Information

|                    |                                                                                  |
|--------------------|----------------------------------------------------------------------------------|
| Product Name:      | Lapatinib                                                                        |
| CAS No.:           | 231277-92-2                                                                      |
| Molecular Formula: | C <sub>29</sub> H <sub>26</sub> ClF <sub>4</sub> N <sub>4</sub> O <sub>4</sub> S |
| Molecular Weight:  | 581.06                                                                           |
| Revision Date:     | 2026-04-15                                                                       |



## Analytical Information

| Tests                  | Specifications                        |
|------------------------|---------------------------------------|
| Appearance             | Pale yellow                           |
| Appearance (Form)      | Crystalline solid; granular or powder |
| Purity (HPLC)          | > 99%                                 |
| Purity (TLC)           | > 99%                                 |
| Melting Point          | 144-146°C                             |
| Carbon Content         | 59.57%                                |
| Chlorine Content       | 6.06%                                 |
| Fluorine               | 3.25%                                 |
| Hydrogen Content       | 4.55%                                 |
| Nitrogen Content       | 9.58%                                 |
| Sulfur                 | 5.48%                                 |
| <a href="#">MS</a>     | Pass test                             |
| <a href="#">1H NMR</a> | Pass test                             |

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