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## Product Datasheet

### Calcein Blue, CAS [[54375-47-2]] DOJ-C002-08

|                            |                                                                                                                                                                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Calcein Blue, CAS [[54375-47-2]]                                                                                                                                                                                                                                            |
| Biozol Catalog Number      | DOJ-C002-08                                                                                                                                                                                                                                                                 |
| Supplier Catalog Number    | C002-08                                                                                                                                                                                                                                                                     |
| Alternative Catalog Number | DOJ-C002-08                                                                                                                                                                                                                                                                 |
| Manufacturer               | Dojindo                                                                                                                                                                                                                                                                     |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                              |
| Product Description        | Calcein Blue solution emits bright blue fluorescence ( $\lambda_{\text{em}}=445$ nm) at pH 4-11, but no fluorescence at pH 12 or higher. The blue fluorescence of the Calcein Blue solution at pH 4-11 is quenched by metal ions such as Co, Cu, Mn, Ni, and Pb. However... |
| Molecular Weight           | 321.28                                                                                                                                                                                                                                                                      |
| CAS Number                 | [54375-47-2]                                                                                                                                                                                                                                                                |
| Formula                    | C <sub>15</sub> H <sub>15</sub> NO <sub>7</sub>                                                                                                                                                                                                                             |