

|                            |  |
|----------------------------|--|
| <b>Product Name:</b>       | Berninamycin D   |
| <b>Product Number:</b>     | B047   |
| <b>CAS Number:</b>         | 161263-50-9  |
| <b>Molecular Formula:</b>  | $C_{45}H_{45}N_{13}O_{13}S$  |
| <b>Molecular Weight:</b>   | 1008.0   |
| <b>Appearance:</b>         | White solid  |
| <b>Storage Conditions:</b> | -20°C  |
| <b>Description:</b>        | <p>Berninamycin D is an antibiotic isolated in 1994 from a strain of <i>Streptomyces</i> as a minor analogue of berninamycin A. Berninamycin D is a macrocyclic 'peptide' comprising atypical amino acids linked to thiazole and oxazoles but does not contain the didehydroalaninyl side chain present in other members of this class. The implications of the absence of this side chain are unknown and lack of availability has prevented a fuller investigation of this metabolite.</p> <p>Berninamycin D is soluble in DMF and DMSO and is moderately soluble in methanol and ethanol.</p> |
| <b>References:</b>         | <p>Berninamycins B, C and D, minor metabolites from <i>Streptomyces bernensis</i>.<br/>Lau R.C. et al. J Antibiot. 1994, 47, 1466.</p>   |