

Product Specification Sheet



Phenylacetyl disulphide (PADS)

Trade Name(s):	PADS	The chemical structure of Phenylacetyl disulphide (PADS) is shown as a skeletal structure. It consists of two phenyl rings, each attached to a methylene group (-CH2-), which is in turn attached to a carbonyl group (-C(=O)-). The two carbonyl groups are linked together by a disulfide bridge (-S-S-).
Catalog Number:	NC-0304	
CAS Number:	15088-78-5	
Molecular Formula:	C ₁₆ H ₁₄ O ₂ S ₂	
Molecular Weight:	302.4 g/ mol	

Quality Assurance Data	Specification
Appearance	White to off-white powder
Identification by IR	The IR spectrum of the test sample should match with the IR spectrum of working standard
Purity by HPLC	≥ 98.5 %
Water Content by Karl Fisher	≤ 300 ppm

Application Note

Sulfurizing reagent used in the synthesis of oligonucleotide phosphorothioates.

Shipping: Ambient.

Storage: < 25 °C.

For safety instructions see GHS label! The use of this product is strictly limited to trained personnel for professional manufacturing, laboratory, or research purposes. Final Fitness-For-Use must be determined by and is the sole responsibility of the end-user.