



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-391538
Lot Number: SAMPLE
Product Name: Des(methoxycarbonyl) Febantel
CAS Number: 92088-58-9
Molecular Formula: $C_{18}H_{20}N_4O_4S$
Molecular Weight: 388.44
Native Source: Synthetic

Test	Specification	Result
Appearance		White solid
Identification (1H -NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Purity (TLC)		96%
Atmosphere		Air
Melting Point		179 - 181 °C
Solubility		Chloroform, Methanol
Thermal Gravimetric Analysis		There are two large mass loss transitions at 184.6 °C and 263.6 °C. The sample had remaining weight 34.3% of its mass at 400 °C and 16.4% at 850 °C.
Carbon Content	55.66%	55.41%
Hydrogen Content	5.19%	5.01%
Nitrogen Content	14.42%	14.38%
Water Content (KF)		0.7%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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