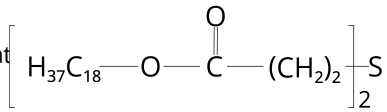
YFK-DSTDP

Chemical Structure

Chemical Name	Octadecyl 3-(3-octadecyloxy-3-oxopropylsulfanyl)propanoat
Chemical Formula	$C_{42}H_{82}O_4S$



Specifications

Appearance	White granules or powder
Melting Range (°C)	63.5 ~ 68. 5
Acidity Value (mg KOH/g)	<= 0.05
Saponification Value (mg KOH/g)	160.0 ~ 170.0
Platinum-Cobalt Color	<= 60.0
Ash content %	<= 0.01
Volatile Loss %	<= 0.05
Residue (2 mm) %	<= 2.0

Usage Notes

Properties	It is a high-performance thioester-based secondary antioxidant, characterized by low volatility, minimal loss during thermal processing, and non-staining properties. It is non-discoloring.
Applications	It exhibits excellent synergistic effects when used with primary antioxidants such as 1010, 1076, and CA. It is widely used in polyethylene (PE), polypropylene (PP), ABS resin, and other polymers.
Recommended Dosage	The typical dosage range is 0.1% ~ 1.0%.