



Primary Antioxidant 1076

- **Chemical Name:** Octadecyl[β -(3,5-di-tert-butyl-4-hydroxyphenyl)-propionate]
- **Molecular Weight:** M=530
- **CAS No.:** 2082-79-3
- **Molecular Formula:** C₃₅H₆₂O₃
- **Chemical Structure Formula:**



- **Typical Physical Properties: HG/T 3795-2005**

Item		Standard
Appearance		White powder
Melting Range (°C)		50~55
Volatile (%)		≤ 0.2
Solubility (2g/20ml, Toluene)		Limpidity
Light Transmittance	425nm, %	≥ 97
	500nm, %	≥ 98
Ash Content (%)		≤ 0.1
Purity (%)		≥ 98

- **Features:** Stable in property. Easily soluble in such organic solvents as benzene, acetone, ester and so on; slightly soluble in alcohol; but insoluble in water. Very little toxicity (LD₅₀ ≥ 10000mg/kg).
- **Applications:** The product is odorless, tasteless and less toxicity and stable to light so that it can widely used in polymer materials, such as polypropylene, polyethylene, polystyrene, polyamide, polyoxymethylene, ABS, synthetic rubber and so on. It is an effective antioxidant in oil and paint, too.
- **Storage:** Stable in property. No special requirement but keep ventilation and away from water and high temperature.
- **Packing:** It is packed in cardboard box lined with plastic bags with the net capacity of 25 kg ;or It is packed in three-in-one compound bags. The inner layer is plastic film, and the outer is polypropylene braided lining kraft paper bags with the net weight of 25kg. It can also be designed according to customers' requirements.
- **Recommended Dosage:** 0.1-0.3%

