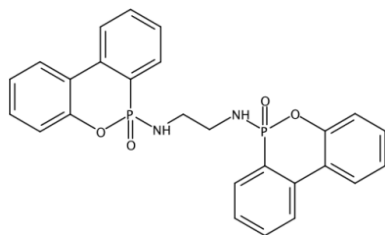


DOPO-EDA

Technical Data Sheet

EDAB-DOPO

N¹,N²-Bis(6-oxido-6H-dibenz[c,e][1,2]oxaphosphorin-6-yl)-1,2-ethanediamine



Registration	
CAS No.	1421927-53-8

Handling and Safety	
Wear protective clothing. Storage at dry condition. Avoid dust formation. For more information see material safety data sheet.	

Packaging	
On request	

Chemical & Physical Properties	
General Formula	C ₂₆ H ₂₂ N ₂ O ₄ P ₂
Molecular Weight (g/mol)	488.4
Melting Point (°C)	271
Appearance	white powder
Water content (%)	max. 0.3
Water solubility (20°C)	hardly soluble
Phosphorus content (%)	12 – 13
Nitrogen content (%)	5 – 6
Decomposition temp. (°C)	starts at 350
Particle size d _{max} (µm)	<30

Description	
DOPO-EDA is a DOPO-based phosphonamidate. It is a halogen-free flame retardant.	

Applications	
DOPO-EDA is most effective at applications where a flame retardant as an gas phase radical inhibitor with good thermal stability is required.	

October 2017

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