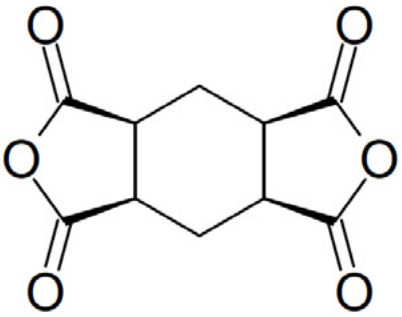
VALSYNTHESE



MATERIAL INFORMATION SHEET

1,2,4,5-Cyclohexanetetracarboxylic 1,2:4,5-dianhydride (CHDA)

CAS	624286-75-5
Sum formula	$C_{10}H_8O_6$
Mol. weight	224.17 g/mol

PHYSICAL / CHEMICAL PROPERTIES

Appearance	(off)-white crystalline; solid
Melting point	290 – 300°C.
Solubility	under investigation
Stability	stable under ambient conditions

SPECIFICATION / STRUCTURE proof*

$^{1}H/^{13}C$ NMR	conform to reference
IR	conform to reference
q-^{1}H NMR	≥98%
X-Ray single crystal*	conform to structure; Exo-Exo

* data available; not done for each batch

APPLICATION FIELDS

Used in the production of polymers, polymers for displays, photosensitive polyimides, in materials for high temperature applications and in pharmaceuticals as building-block.

[1] CN118852622 (2024) Preparation method of fluorine-free semi-alicyclic low CTE transparent polyimide, polyimide film
[2] WO2024208875 A1 (2024) Organic reinforcement of a polyamide with the in situ synthesis of a polyimide phase by reactive extrusion
[3] CN118562130 (2024) Preparation method of intrinsic negative photosensitive polyimide material for protective film

HAVE WE CAUGHT YOUR INTEREST?

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