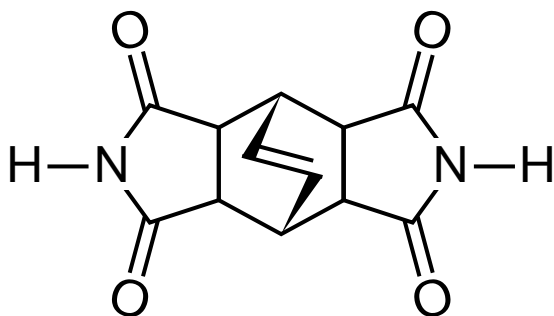




MATERIAL INFORMATION SHEET

Bicyclo[2.2.2]oct-7-ene-2,3,5,6-tetracarboxylic 2,3:5,6-diimide (BTI)

CAS	6787-63-9
Sum formula	C ₁₂ H ₁₀ N ₂ O ₄
Mol. weight	246.22 g/mol

PHYSICAL / CHEMICAL PROPERTIES

Appearance	(off)-white crystalline; solid
Melting point	>400°C
Solubility	1.02 g/L in Methanol 1.17 g/L in Acetone >200 g/L in DMSO 48 g/L in aqu. NaOH (1M) 0.76 g/L in water
Stability	stable under ambient conditions

SPECIFICATION / STRUCTURE proof*

¹ H/ ¹³ C NMR	conform to reference
IR	conform to reference
q- ¹ H NMR	≥99%
MS (ESI)*	m/z 245.0583 (neg.)
X-Ray single crystal*	under investigation

* data available; not done for each batch

APPLICATION FIELDS

- Thermosetting resins ^[1]
- Raw material for halogen-free flame retardants (FRs) ^[2]
- Pre-drug ^[3]
- BAD gene marker for cancer ^[4]

[1] a) JP59033124 (1984); b) JP54004982A (1979); [2] a) WO2019020699A1 (2019); b) DE102017212772B3 (2018)
[3] J Turlo, T Zawadowski; Farmaco 1996; 51(12); 815-8; [4] a) US20130011393A1 (2013); b) WO2011088137 (2011).

HAVE WE CAUGHT YOUR INTEREST?

Please contact us under www.valsynthese.ch/contact

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