

Asphalt

Chemical Properties

CAS No. : 8052-42-4

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Asphalt is a dark liquid. It is also a mixture of heavy hydrocarbon residues including saturated and unsaturated hydrocarbons and aromatic hydrocarbons.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Bosse GM, Wadia SA, Padmanabhan P. Hot asphalt burns: a review of injuries and management options. Am J Emerg Med. 2014 Jul;32(7):820.e1-3. doi: 10.1016/j.ajem.2014.01.007. Epub 2014 Jan 18. Review. PubMed PMID: 24630605.

Trumbore DC, Osborn LV, Johnson KA, Fayerweather WE. Airborne Exposures to Polycyclic Aromatic Compounds Among Workers in Asphalt Roofing Manufacturing Facilities. J Occup Environ Hyg. 2015;12(8):564-76. doi: 10.1080/15459624.2015.1022651. PubMed PMID: 25807312.

Neghab M, Zare Derisi F, Hassanzadeh J. Respiratory symptoms and lung functional impairments associated with occupational exposure to asphalt fumes. Int J Occup Environ Med. 2015 Apr;6(2):113-21. doi: 10.15171/ijoem.2015.473. PubMed PMID: 25890605.

Fogleman EV, Eliot M, Michaud DS, Nelson HH, McClean MD, Langevin SM, Kelsey KT. Occupational asphalt is not associated with head and neck cancer. Occup Med (Lond). 2015 Oct;65(7):570-3. doi: 10.1093/occmed/kqv102. Epub 2015 Aug 13. PubMed PMID: 26272381; PubMed Central PMCID: PMC4684692.

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