

Product Data Sheet

Product Name: Isodecyl Diphenyl Phosphate

Cat. No.: GF10631

Chemical Properties

Cas. No. 29761-21-5

Formula $C_{22}H_{31}O_4P$

M.Wt 390.45

Solubility

Storage -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Isodecyl diphenyl phosphate (IDPP) is a flame retardant. IDPP has an ability to induce DNA damage and exerts S phase cell ratio-reducing effects in A549 cells^[1].

References:

[1].Yuan S, Han Y, Ma M, Rao K, Wang Z, Yang R, Liu Y, Zhou X. Aryl-phosphorus-containing flame

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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retardants induce oxidative stress, the p53-dependent DNA damage response and mitochondrial impairment in A549 cells. Environ Pollut. 2019 Jul;250:58-67.

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