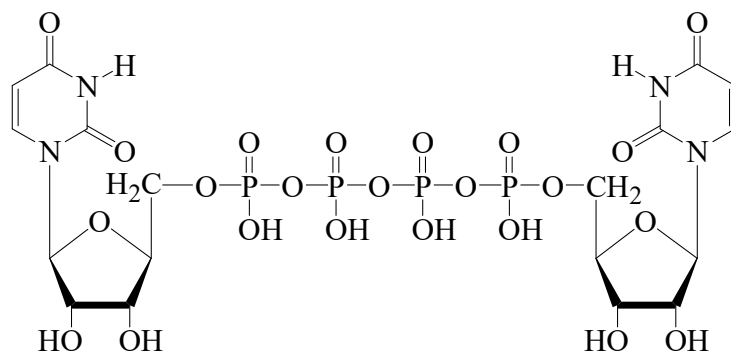




>>Entry Name: Uridine 5'-(pentahydrogen tetraphosphate) P'''-5'-ester with uridine, 9CI

Synonym(s): P^1, P^4 -Di(uridine 5'-)tetraphosphate. INS 365



CAS Registry Number: 59985-21-6

Related CAS Registry Numbers(s): 219786-28-4

Molecular Formula: $C_{18}H_{26}N_4O_{23}P_4$

Molecular Weight: 790.312

Accurate Mass: 789.993839

Percentage Composition: C 27.36%; H 3.32%; N 7.09%; O 46.56%; P 15.68%

Biological Use/Importance: Purine P_{2Y} receptor agonist. In clinical development for the treatment of dry eye and lung diseases

>>Derivative: Tetra-Na salt

CAS Registry Number: 211427-08-6

Physical Description: Solid

References:

Coste, H. *et al.*, *J. Biol. Chem.*, 1987, **262**, 12096-12103, (*synth, activity*)

Pat. Coop. Treaty (WIPO), 1999, *Inspire*, 99 05 155; *CA*, **130**, 125350y, (*synth*)

Pendergast, W. *et al.*, *Bioorg. Med. Chem. Lett.*, 2001, **11**, 157-160, (*tetra Na salt, synth, activity, pmr, P-31nmr*)

Fujihara, T. *et al.*, *Invest. Ophthalmol. Visual Sci.*, 2001, **42**, 96-100, (*pharmacol*)

Noone, P.G. *et al.*, *Pediatr. Pulmonol.*, 2001, **32**, 122-128, (*pharmacol*)