$Fe_2[PHO_3]_3$	*hP*28	(176) $P6_3/m$ – ih^2f

$Fe_2(HPO_3)_3$ [1]
Structural features: Units of two face-linked FeO_6 octahedra share vertices with $P(HO_3)$ tetrahedra to form a 3D-framework.

Sghyar M. et al. (1991) [1]
$Fe_2H_3O_9P_3$
a = 0.8037, c = 0.7352 nm, c/a = 0.915, V = 0.4113 nm^3, Z = 2

site	Wyck.	sym.	x	y	z	occ.	atomic environment
O1	12*i*	1	0.4324	0.163	0.0784		non-colinear PFe
O2	6*h*	*m*..	0.1295	0.5124	$^1/_4$		single atom P
P3	6*h*	*m*..	0.3542	0.0464	$^1/_4$		non-coplanar triangle O_3
Fe4	4*f*	3..	$^1/_3$	$^2/_3$	0.04826		octahedron O_6
H5	6*h*	*m*..	0.0266	0.1826	$^1/_4$		

Transformation from published data: origin shift 0 0 $^1/_2$
Experimental: single crystal, diffractometer, X-rays, R = 0.028

Remarks: In [1] the number of formula units per cell Z is misprinted as 4 instead of 2. Hydrogen atoms are not taken into consideration for Pearson symbol, Wyckoff sequence and atomic environments.

References: [1] Sghyar M., Durand J., Cot L., Rafiq M. (1991), Acta Crystallogr. C 47, 2515-2517.