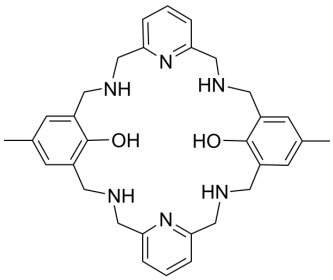
24RBPyBC

Cat. No.:	HY-148340
CAS No.:	185675-92-7
Molecular Formula:	$C_{32}H_{38}N_6O_2$
Molecular Weight:	538.68
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	24RBPyBC is a dinucleating macrocyclic ligand, it contains phenolate pyridine, bipyridine, and amino groups form dinuclear Fe(II) and Fe(III) complexes[1][2].
In Vitro	24RBPyBC forms a dinuclear iron(II) complex, which reacts with molecular oxygen and catalyzes its insertion into C-H bond of adamantane in an acetonitrile solvent system containing pyridine and in the presence of hydrogen sulfide as a two-electron reductant[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Zheng Wang, et al. Toward understanding of the synergistic oxidation of adamantane and hydrogen sulfide by molecular oxygen and with a dinuclear iron(II) macrocyclic complex as a catalyst. Inorganica Chimica Acta. 20 April 2000, Pages 378-383.

[2]. Jiri Perutka, Arthur E. Martell. Toward understanding of the synergistic oxidation of adamantane and hydrogen sulfide by molecular oxygen and with a dinuclear iron(II) macrocyclic complex as a catalyst. Analytica Chimica Acta. 24 May 2001, Pages 385-391.

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