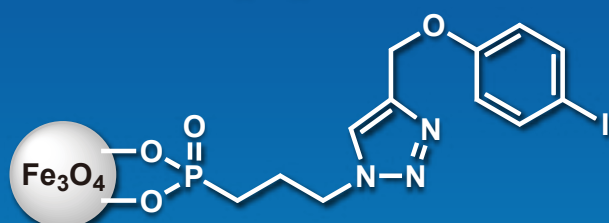


Collectable and Recyclable Iodine-type Oxidation Catalyst supported on Magnetite



Iodobenzene Catalyst Supported on Magnetic Iron Oxide Nanoparticle

(0.6-0.8mmol/g)

100 mg

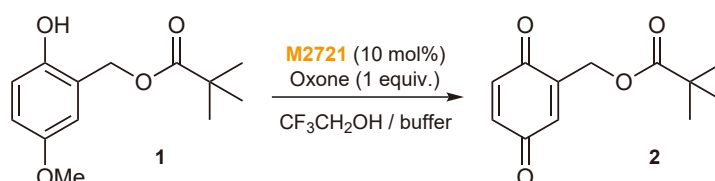
[M2721]

Advantages

- Easily magnetically collectable and recyclable aided by immobilization on magnetite nanoparticle
- Applicable to hypervalent-iodine-catalyzed oxidation with co-oxidant

Application

Oxidation of 4-Alkoxyphenol



cycle	time (h)	2 yield (%)	recovery of catalyst (%)
1	4	80	98
2	4	81	97
3	5.5	80	98
4	7.5	82	96
5	8	82	96

Reference H. Nambu, I. Shimokawa, T. Fujiwara, T. Yakura, *Asian J. Org. Chem.* **2016**, 5, 486.
DOI: <https://doi.org/10.1002/ajoc.201600036>

This product was commercialized by collaboration with Prof. Takayuki Yakura, University of Toyama.

Related Products

Oxone

25g / 500g [00310]

4-[2-[2-(4-Iodophenoxy)ethoxy]carbonyl]benzoyloxy-2,2,6,6-tetramethylpiperidin-1-oxyl

100mg [I0908]

2-Iodo-N-isopropyl-5-methoxybenzamide

100mg [I1117]

Osmium Catalyst supported on Magnetite (0.07-0.09mmol/g)

1g [O0414]

For further information please refer to our website at www.TCIchemicals.com.



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