

Table 3. Comparison of the results of MgO nanoplates in the synthesis of 2-amino-4,5-dihydro-5-oxo-4-phenylpyrano [3,2-c]chromene-3-carbonitrile with some other Lewis acid catalysts.

Entry	Catalyst	Time (h)	Yield (%) ^a
1	MgO nanoplates	2	85
2	MgO commercial	2	79
3	ZnO	2	80
4	CaO	3	74
5	BaO	3	54
6	Fe ₂ O ₃	4	49
7	Al ₂ O ₃	4	68
8	Bi ₂ O ₃	4	75
9	CeO ₂	3	73
10	NiO	2.5	83
11	TiO ₂	4	55
12	SnO	4	64
13	V ₂ O ₅	4	45
14	SiO ₂	4	20
15	PbO	4	35
16	CuO	3	78
17	ZrO ₂	3	68

^aIsolated Yields, reaction condition: catalyst (0.5 mmol), H₂O reflux.

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