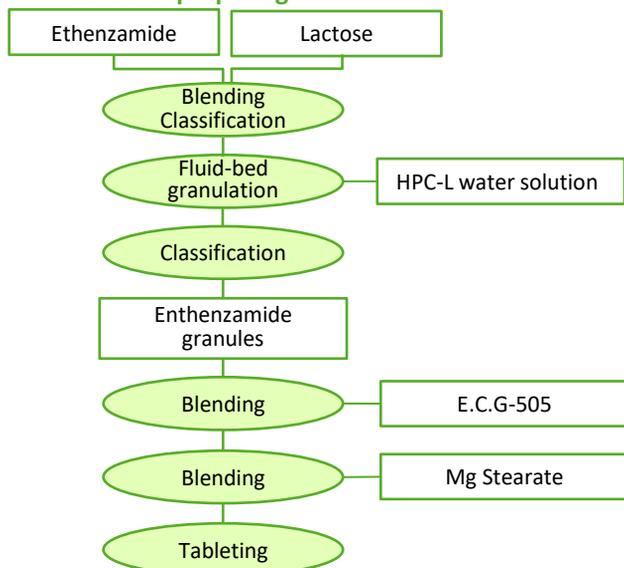




# An example of using a hardly-soluble API

The following shows Hardness and Disintegration time in the case of the tablets manufactured by adding E.C.G-505 to the granules made by fluid-bed granulation of ethenzamide and lactose.

## Method of preparing the tablets

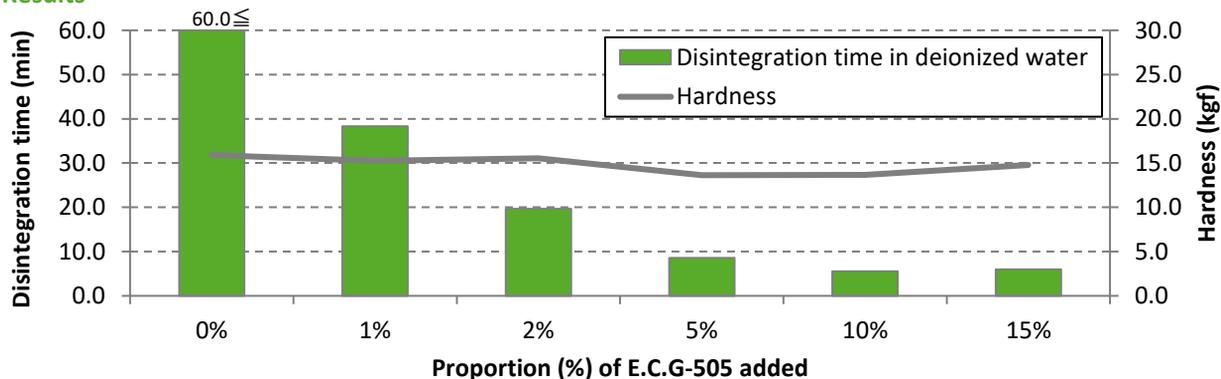


Raw materials	Ethenzamide(Iwaki Seiyaku) Lactose (Lactose : Mitejima Chemical) Carmellose Ca (E.C.G-505 : Gotoku Chemical) HPC (HPC-L : Nippon Soda) Magnesium Stearate (Wako Pure Chemical)
Granulating conditions	Granulator : Fluid-bed granulating machine (SPRAY GRANULATOR LAB-1 : Powrex) Intake-air temperature : 75°C Spray air - Pressure : 1 kg ※Spray speed : Air volume was adjusted by visually observing the particle sizes of granulated materials.
Tableting conditions	Tablet size : 8.0 mm, R6.5 Tablet weight : 200 mg Tableting machine : Hand press Tableting pressure : 2.0MPa
Gauges	Digital hardness meter (KHT-40N : Fujiwara Scientific ) Disintegration testing machine (KT-4HF : Toyama Sangyo)

## Composition of tablet-composing powders

Proportion(%) of E.C.G-505 added	0	1	2	5	10	15
Ethenzamide (%)	65	65	65	65	65	65
Lactose (%)	32	31	30	27	22	17
HPC (%)	3	3	3	3	3	3
Magnesium Stearate (%)	0.5	0.5	0.5	0.5	0.5	0.5

## Results



When considering for the first time, it is recommended to try to use about **5 %** of E.C.G-505.

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Stability monitoring data and SDS are available. Please feel free to request for them to us.

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