

Lead identification for functional dyspepsia and cancer cachexia using small molecule compound targeting ghrelin receptor

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GASTROINTESTINAL	Hit
Product Type	Small compound
Indication	1st indication: Functional dyspepsia, Cancer cachexia
Target	Ghrelin receptor
MoA(Mechanism of Action)	Binding to ghrelin receptor → Calcium influx in hypothalamic neuron → Increase of synapse activity → Increase in food intake and gastric motility
Competitiveness	<p>First In Class</p> <ul style="list-style-type: none"> • Small compounds targeting ghrelin receptor is easy to cross the blood-brain barrier. Therefore, it is superior in terms of therapeutic effects compared to existing drugs in regulating the appetite center in the hypothalamus of the brain and the vagus nerve connected to the stomach. • It is relatively easy to manufacture and synthesize due to its low molecular weight as a small compound drug.
Development Stage	Hit
Route of Administration	Oral administration