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Lead identification of ASK1 inhibitor as a therapeutic agent for Parkinson's disease

Korea Research Institute of Chemical Technology (KRICT)

NEUROSCIENCE | **Lead**

Product Type	Small molecule chemical product
Indication	Parkinson's disease
Target	Apoptosis Signal-regulating Kinase (ASK1)
MoA(Mechanism of Action)	ASK1 inhibition → p38 inhibition → anti-neuroinflammatory effect and neuroprotection → therapy for PD
Competitiveness	• First-in-class target for PD • ASK1 inhibition can control MAPK signal pathway and finally control inflammation and dopaminergic neuronal cell death in the brain • ASK1 inhibitor can be applied to other CNS diseases besides Parkinson's disease.
Development Stage	Lead
Route of Administration	Oral administration

kddf_bd@kddf.org
KDDF Business Development Team

KDDF Korea Drug Development Fund