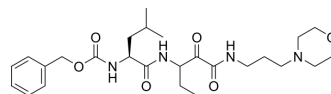


AK 295

Cat. No.:	HY-119378
CAS No.:	160399-35-9
Molecular Formula:	C ₂₆ H ₄₀ N ₄ O ₆
Molecular Weight:	504.62
Target:	Proteasome; Apoptosis
Pathway:	Metabolic Enzyme/Protease; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AK 295 (CX 295) is a calpain inhibitor that inhibits apoptosis through a calpain-dependent pathway. AK 295 improves neurological function in a rat model of spinal cord injury (SCI). AK 295 can be used in the study of neurodegenerative diseases, such as bulbar amyotrophy, stroke, Alzheimer's disease, Parkinson's disease, multiple sclerosis ^[1] .
IC ₅₀ & Target	Calpain ^[1] .

REFERENCES

[1]. Colak A, et al. Calpain inhibitor AK 295 inhibits calpain-induced apoptosis and improves neurologic function after traumatic spinal cord injury in rats. *Neurocirugia (Astur)*. 2009 Jun;20(3):245-54.

Caution: Product has not been fully validated for medical applications. For research use only.

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