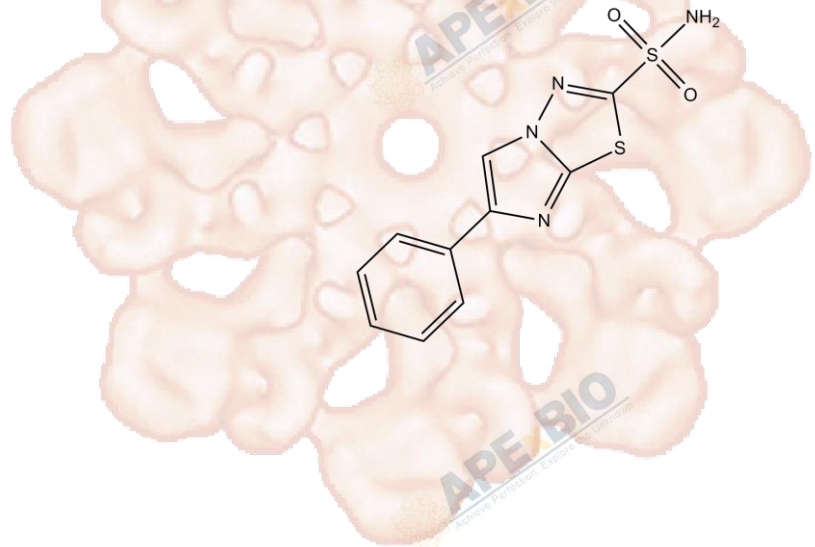


Product Data Sheet

AEG 3482

Cat. No.:	B9010
CAS No.:	63735-71-7
Formula:	C ₁₀ H ₈ N ₄ O ₂ S ₂
M.Wt:	280.33
Synonyms:	
Target:	MAPK Signaling
Pathway:	JNK
Storage:	Store at RT



Solvent & Solubility

insoluble in EtOH; insoluble in H₂O; ≥14 mg/mL in DMSO

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	Concentration			
	1 mM	3.5672 mL	17.8361 mL	35.6722 mL
	5 mM	0.7134 mL	3.5672 mL	7.1344 mL
	10 mM	0.3567 mL	1.7836 mL	3.5672 mL

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary

inhibitor of Jun kinase (JNK)-dependent apoptosis

IC₅₀ & Target

In Vitro

Cell Viability Assay

Cell Line:	PC12 neuronal cells
Preparation method:	The solubility of this compound in DMSO is > 14 mg/mL. General tips for obtaining a higher concentration: Please warm the tube at 37 °C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.
Reacting conditions:	10, 20 and 40 μM, 18 h

	Applications:	AEG 3482 is a potent antiapoptotic compound. In PC12 neuronal cells AEG 3482 inhibited proapoptotic JNK activity and blocked p75NTR- and NRAGE-induced apoptosis. AEG 3482 inhibited the JNK pathway through increasing HSP70 expression.
In Vivo	Animal experiment	
	Applications:	

Product Citations

See more customer validations on www.apexbt.com.

References

[1]. Salehi A H, Morris S J, Ho W C, et al. AEG3482 is an antiapoptotic compound that inhibits Jun kinase activity and cell death through induced expression of heat shock protein 70[J]. Chemistry & biology, 2006, 13(2): 213-223.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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