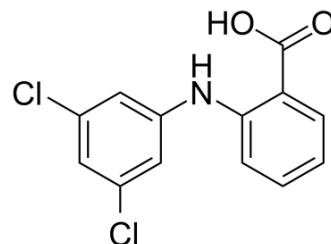


Dichlorophenyl-ABA

Cat. No.:	HY-113950		
CAS No.:	18201-65-5		
Molecular Formula:	C ₁₃ H ₉ Cl ₂ NO ₂		
Molecular Weight:	282.12		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	Dichlorophenyl-ABA is an inhibitor of transthyretin (TTR) amyloid fibril formation, inhibiting aggregate formation in more than 80% in TTR L55P-expressing cells ^[1] .
IC₅₀ & Target	Transthyretin (TTR) amyloid fibril formation
In Vitro	<p>Dichlorophenyl-ABA (DCPA) is able to prevent L55P aggregate formation in the conditioned medium. With regard to the ultrastructural analysis, Dichlorophenyl-ABA does not show an inhibitory effect as high as DFPB and benzoxazole, indicating that the Y78F mutant may not be as sensitive to this drug as TTR L55P and V30M are^[1].</p> <p>Dichlorophenyl-ABA is the best stabilizers of V30M tetramers in plasma from carriers of this mutant, and clearly inhibit aggregation in the cellular system. Therefore Dichlorophenyl-ABA is promising for the treatment of valine at position 30 (V30M)-associated familial amyloidotic polyneuropathy (FAP) but need to undergo further stages of drug development to overcome their toxicity^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Cardoso I, et al. Comparative in vitro and ex vivo activities of selected inhibitors of transthyretin aggregation: relevance in drug design. *Biochem J.* 2007 Nov 15;408(1):131-8.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA