Purdue Bioscience

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Data Sheet

Product Information

Catalog Number	BP14052
Product Name	N-Caffeoyltryptophan
Description	N-Caffeoyltryptophan, a potential Sirt inhibitor, is screened using coffee extract. N-Caffeoyltryptophan inhibited Sirt2 (IC50; 8.7 μM) better than Sirt1(IC50; 34μM).
Targets&IC50	SIRT1:34μM, Sirt2:8.7 μM
In vitro	In cellular levels,N-Caffeoyltryptophan was able to increase the acetylation of total lysine, cortactin and histone H3 in neuronal NG108-15 cells. In the same cells, the amide also increased the acetylation of lysine (K382) in p53, but not (K305).
Synonyms	trans-Caffeoyl-L-tryptophan
CAS No.	109163-69-1
Chemical Formula	C20H18N2O5
Molecular Weight	366.373
Solubility	
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

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