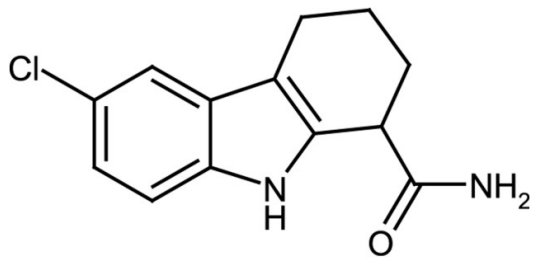
6-Chloro-2,3,4,9-tetrahydro-1H-carbazole-1-carboxamide

SIRT Inhibitor

Potent cell-permeable and metabolically stable specific inhibitor of hSIRT1 (IC_{50}=98nM *in vivo* / IC_{50}=38nM *in vitro*; compared to hSIRT2: IC_{50}=19μM and hSIRT3: IC_{50}=48μM) with no effect on human histone deacetylases (HDACs) class I and class II, nor NAD glycohydrolase (IC_{50} >100μg). Inhibits the deacetylation of p53 (IC_{50}=1μM).

Citations: 5 View Online »

Manuals, SDS & CofA View Online »

Cl N H O NH2	

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 6 months when stored at -20°C in the dark.
Handling	Protect from light.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	EX-527
Appearance	White to light yellow powder.
CAS	49843-98-3
Couple Target	SIRT
Couple Type	Inhibitor
Formula	$C_{13}H_{13}ClN_2O$
Identity	Identity determined by 1H-NMR.
MW	248.7
Purity	≥95% (HPLC)
Purity Detail	Racemic mixture
Solubility	Soluble in DMSO (10mg/ml).

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