

**HIF-1alpha Translation Inhibitor, KC7F2 - CAS 927822-86-4 - Calbiochem The HIF-1alpha Translation Inhibitor, KC7F2, also referenced under CAS 927822-86-4, controls the biological activity of HIF-1alpha. This small molecule/inhibitor is primarily used for Cell Structure applications.**

Art. ID SAF-400088-25MG  
Unit 1 x 25 mg  
Deliverydetails No Dangerous Good /not restricted

**Description**

A cell-permeable symmetrical cystamine compound that selectively suppresses cellular HIF-1alpha, but not HIF-1beta, protein synthesis without affecting the transcription of HIF-1alpha mRNA or the stability of HIF-1alpha protein. Reduction of cellular HIF-1alpha by KC7F2 treatment (IC<sub>50</sub><20 µM in LN229 cultures under hypoxia condition) is shown to result in decreased transcriptions of HIF-1alpha-dependent genes, such as CA IX, endothelin 1, enolase 1, and MMP-2. Inhibition of 4EBP1 and S6K phosphorylation, important event for the initiation of protein translation, is also observed in KC7F2 and U87MGD cultures following KC7F2 treatment under hypoxia condition, which may account for, at least in part, the downregulated HIF-1alpha synthesis.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	KC7F2	[927822-86-4]				