

PIH - CAS 737-86-0 - Calbiochem A cell-permeable, non-toxic tridentate iron (Fe³⁺) chelator of the aroyl hydrazone class.

Art. ID SAF-528110-50MG

Unit 50 mg

Description

A cell-permeable, non-toxic tridentate iron (Fe³⁺) chelator of the aroyl hydrazone class. Even at low concentrations, highly effective in mobilizing Fe³⁺ from cells and preventing its uptake from transferrin, even at low concentrations. Exhibits similar specificity and binding affinity as Deferoxamine Mesylate (Cat. No. 252750) but has greater access to mitochondrial iron. Also useful for the management of iron overload disease in experimental models. Inhibits the induction of heme containing indoleamine 2,3-dioxygenase activity., A cell-permeable, non-toxic, iron (Fe³⁺) chelator of the aroyl hydrazone class that exhibits high chelation efficacy. Highly effective in mobilizing Fe³⁺ from cells and preventing its uptake from transferrin, even at low concentrations. Exhibits similar specificity and binding affinity as Desferrioxamine (Cat. No. 252750) but has greater access to mitochondrial iron. Prevents iron-mediated oxyradical formation and minimizes tissue damage. Reported to useful in studies of the management of iron overload disease. Inhibits the induction of heme-containing indoleamine 2,3-dioxygenase activity.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Pyridoxal Isonicotinoyl Hydrazone	[737-86-0]				