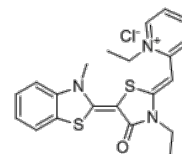


Product Name : MKT-077
Cat. No. : PC-62565
CAS No. : 147366-41-4
Molecular Formula : C₂₁H₂₂ClN₃OS₂
Molecular Weight : 432
Target : Heat Shock Protein (HSP)
Solubility : 10 mM in DMSO



Biological Activity

MKT-077 (FJ-776) is a highly water-soluble (>200 mg/ml) rhodacyanine dye that exhibits significant antitumor activity, binds to **Hsp70** family member, mortalin (mot-2), and abrogates its interactions with p53.

MKT-077 induces release of wild-type p53 from cytoplasmically sequestered p53-mot-2 complexes and rescued its transcriptional activation function.

MKT-077 also is a potent **telomerase** inhibitor with IC₅₀ of 5 uM.

References

Koya K, et al. *Cancer Res.* 1996 Feb 1;56(3):538-43.

Wadhwa R, et al. *Cancer Res.* 2000 Dec 15;60(24):6818-21.

Naasani I, et al. *Cancer Res.* 1999 Aug 15;59(16):4004-11.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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