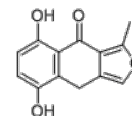


**Product Name** : MS-444  
**Cat. No.** : PC-60907  
**CAS No.** : 150045-18-4  
**Molecular Formula** : C<sub>13</sub>H<sub>10</sub>O<sub>4</sub>  
**Molecular Weight** : 230.21  
**Target** : Human Antigen R (HuR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

MS-444 (BE-34776) is a small molecule inhibitor of RNA-binding protein **Hu protein R (HuR)** that interferes the HuR homodimerization with K<sub>d</sub> of 7 nM.

MS-444 interferes with HuR RNA binding, HuR trafficking, cytokine expression and T-cell activation, and is a valuable tool for studying HuR function.

MS-444 augments DSS-induced weight loss and increases tumor multiplicity, size, and invasiveness in mice model of inflammatory colon cancer, also abrogates tumor cell apoptosis and depletes tumor-associated eosinophils, accompanied by a decrease in IL18 and eotaxin-1.

## References

Meisner NC, et al. *Nat Chem Biol*. 2007 Aug;3(8):508-15.

Blanco FF, et al. *Oncotarget*. 2016 Nov 8;7(45):74043-74058.

Lang M, et al. *Cancer Res*. 2017 May 1;77(9):2424-2438.

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

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