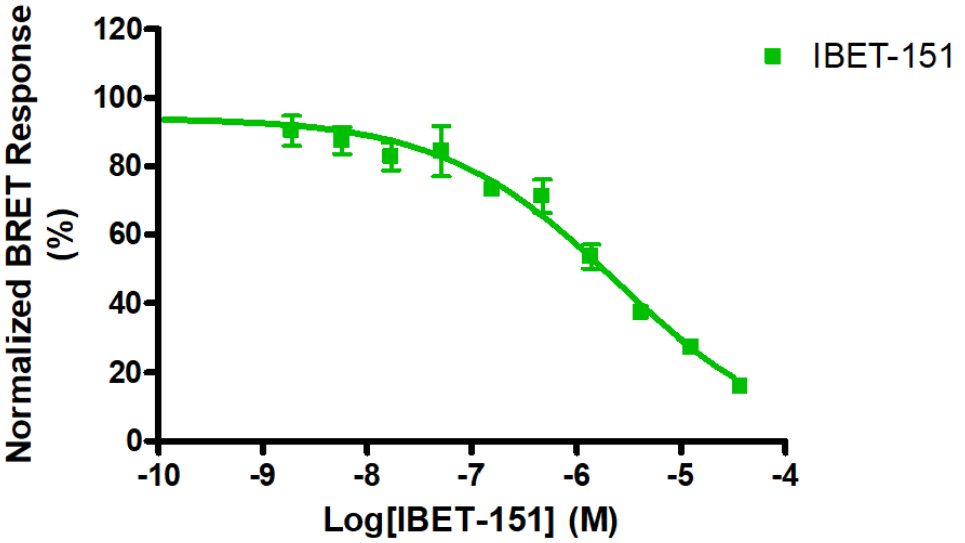
BRD4-2 NanoBRET TE Intracellular Assay

BRD4-2 NanoBRET Target Engagement Intracellular Assay for screening of compounds binding to the target, competitive binding assay format

Target Overview	
Target	BRD4-2
HGNC Symbol	BRD4 (BD2)
Synonyms	HUNKI; MCAP; CAP; HUNK1
Cell Line	HEK293 human epithelial cell line from ATCC

Assay Properties	
Assay Format	384-well plate format using Promega's NanoBRET Intracellular Target Engagement Assay
Assay Protocol	HEK293 cells transiently expressing NanoLuc-BRD4 (BD2) Fusion Vector were seeded into the wells of 384-well plates. The cells were pre-treated with the NanoBRET BRD Tracer and then treated with reference compound IBET-151 for 1 hour. The BRET signal was measured on an Envision 2104 Multilabel Reader. IC50 value was calculated and IC50 curve was plotted using the GraphPad Prism program based on a sigmoidal dose response equation.
Readout	Binding of compound to target
Reference Compound IC50s	**Compounds** **IC50 (M)** IBET-151 2.257e-006
Screening Location	Malvern, PA, USA
Further information	More information can be found on our website Cell-based Epigenetic Assays

Reference compound IC50 for BRD4 (BD2)



	IBET-151 (M)
HILLSLOPE	-0.5272
EC50	2.257e-006