Figure 4.
E-liquid inhibition of microsomal recombinant CYP2A6

Flamethrower

Percent E-liquid (v/v)	Mean	SEM
0.125	**97**	**1**
0.03125	**94**	**2**
0.0078	**89**	**3**
0.0019	**80**	**4**
0.00048	**55**	**4**
0.00012	**23**	**2**
0.00003	**9**	**1**

Strawberry Poptart

Percent E-liquid (v/v)	Mean	SEM
0.125	**98**	0
0.03125	**91**	1
0.0078	**62**	5
0.0019	**23**	3
0.00048	**9**	2
0.00012	**6**	2
0.00003	**3**	2

Apple Watermelon

Percent E-liquid (v/v)	Mean	SEM
0.125	**26**	1
0.03125	**5**	1
0.0078	**1**	1
0.0019	**1**	0
0.00048	**0**	0
0.00012	**0**	0
0.00003	**0**	0

E-cigarette liquids were screened for CYP2A6 inhibition at concentrations ranging from 0.000031% 0.125% (v/v). Flamethrower exhibited inhibition of microsomal recombinant CYP2A6 at concentrations as low as 0.00012%, while Strawberry Poptart exhibited inhibition of microsomal recombinant CYP2A6 at 0.0019%. Apple Watermelon exhibited only limited inhibition at 0.125%. Results were used to calculate IC_{50} values using GraphPad Software Inc. Prism 8.0.1. Percent inhibition calculated from the PG/VG baseline. Mean +/- SEM, n=3.

SEM: standard error of the mean
v: volume
CYP2A6: cytochrome (enzyme) 2A6
IC50: 50% Inhibitory Concentration
PG: polyethylene glycol
VG: vegetable glycerin

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